The Mining Journal

INDEX

To VOLUME TWO-HUNDRED-AND-FORTY-EIGHT

JANUARY - JUNE 1957

INDEX CLASSIFICATION

Metals and Minerals - - - Page 1
Countries - - - - - Page 3
Men, Methods and Machines - - Page 4
Companies and other Public Bodies - Page 5

KEY TO CODE LETTERS

A	*Articles*	DR	*Directors' Reports*	ME	*Company Meetings*	N	*Notes and Comments*
C	*Our own Correspondent*	FN	*Financial News and Results*	MF	*Mining Finance*	Ob	*Obituaries*
CN	*Company Notices*	L	*Correspondence*	MR	*Mine Returns*	R	*Reviews*
Div	*Dividends*	M	*Machinery and Equipment*	MT	*Metals, Minerals and Alloys*	T	*Technical Briefs*

Metals and Minerals

ALUMINIUM
Haiti's mineral deposits .. N 8
Canada does it again .. .. A 14
Australian mining enters a New Year .. .. A 79
Yugoslavia's aluminium industry.. .. .. .. A 109
Rivals for Volta .. .. N 235
Non-ferrous metals in India .. N 264
Metals for supersonic flight .. A 270
Progress of the Yugoslav mining industry during 1956 .. A 334
Aluminium galore .. .. N 518
Hungarian aluminium technology .. .. .. T 820
(*See also* weekly notes under "Metals and Minerals")

ANTHRACITE
Expansion of Moroccan mining during 1956 .. .. .. A 242

ANTIMONY
The rehabilitation of Greek mining .. .. .. A 50
Is the Blarney Stone a base metal ? .. .. .. N 178
Non-ferrous metals in India .. N 264
Metals and minerals MT 341, 530, 664, 796
Mining expansion in Morocco N 619

ASBESTOS
Canada does it again .. .. A 14
The rehabilitation of Greek mining .. .. .. A 50
Metals and minerals MT 56, 275, 758
Quebec's asbestos mountains A 110
Mining blue asbestos in Western Australia .. .. .. A 238

BARYTES
The rehabilitation of Greek mining .. .. .. A 50

BAUXITE
Haiti's mineral deposits .. N 8
The rehabilitation of Greek mining .. .. .. A 50
Australian mining enters a New Year .. .. A 79
Non-ferrous metals in India .. N 264
Metals and minerals .. .. MT 276, 463, 495, 759
All eyes on Ghana .. .. N 293
Progress of the Yugoslav mining industry during 1956 .. A 334
Widening scope of Consolidated Zinc .. .. N 425
Russo-Yugoslav mining enterprises .. .. N 452
Prospecting in Cape York, Australia .. .. .. N 553
The story of bauxite in Malaya A 556
Queensland worth £100,000,000 a year .. .. .. N 716

BENTONITE
Mining expansion in Morocco N 619

BERYLLIUM
Metals and minerals .. .. MT 188, 217, 463, 562, 726
The future of the special metals A 454

BISMUTH
Metals and minerals .. .. MT 758

BORAX
Metals and minerals .. .. MT 530

BORON
Metals for supersonic flight .. A 270

CADMIUM
By-product minerals .. .. A 48

CAESIUM
By-product minerals .. .. A 48

CASSITERITE
Portuguese mineral exports in 1956 .. .. N 453
Mining progress in Nigeria .. N 652
The Amazon task in Brazil .. N 717

CHINA CLAY
Portuguese mineral exports in 1956 .. .. N 452

CHROME
Strategic minerals from Pacific Northwest .. .. .. N 208
Metals for supersonic flight .. A 270
(*See also* weekly notes under "Metals and Minerals")

COAL — AFRICA
Quarterly coal outputs from South African mines, October-December 1956 .. .. MR 224
Ditto, January-March 1957.. MR 734

COAL — THE AMERICAS
Coal pipelines .. .. .. N 9
Experiments with a face airbreaker .. .. .. M 53
A bumper year for coal .. N 107
U.S. coal price boost .. .. N 237
Progress of Mexico's mining industry .. .. .. A 298
U.S. mines more dangerous .. N 619
U.S. coal output .. .. N 653
International coal classification N 685
The Minas Gerais triangle, Brazil .. .. A 749

COAL — ASIA
A Hobart House with diamonds N 106

COAL — AUSTRALASIA
Australian mining enters a New Year .. .. A 80
Challenge to New South Wales coal .. .. N 618

COAL — EUROPE
Coal pipelines .. .. .. N 9
Hydraulic coal mining in Russia A 241
Yugoslavia's mining programme based on mechanization .. A 270
Pool coal imports .. .. N 295
Progress of the Yugoslav mining industry during 1956.. .. A 334
Russo-Yugoslav mining enterprises .. .. N 452
High Authority's fifth annual report .. .. .. N 553

COAL — GREAT BRITAIN
Cutting with standard machines and flight loading .. .. A 12
A new coal preparation plant .. M 18
N.C.B. ten years old .. .. N 47
What price glory .. .. N 77
Bumper year for coal .. .. N 107
Research centre for U.K. coal mining .. .. .. A 180
U.K. coal output up .. .. N 264
Coal mining developments .. M 399
More coal, less absenteeism .. N 425
Have we enough water ? .. N 452
Hungarians in the balance .. N 453
Developments in Britain's coal mining industry .. .. A 458
Modernizing Britain's coal mines .. .. A 492
New designs for colliery equipment .. .. A 624
"Springboks" to sink shafts for N.C.B. .. .. .. N 812
N.C.B. shows biggest profit .. N 813

COAL — VARIOUS
Coal freights dropped .. .. N 717

COBALT
Metals and minerals .. .. MT 21, 188, 245, 275, 340, 408, 821
By-product minerals .. .. A 48
Expansion of Moroccan mining during 1956 .. .. .. A 242
Moa Bay nickel project .. N 366
The future of the special metals A 455

COKE
Progress of the Yugoslav mining industry during 1956 .. A 334

COLUMBITE
Metals and minerals .. MT 86, 794
Mining progress in Nigeria .. N 652

COLUMBIUM
Metals and minerals .. MT 377, 627
The Minas Gerais triangle, Brazil .. .. A 749

COPPER
Haiti's mineral deposits .. N 8
Canada does it again .. .. A 14
Copper unlimited .. .. N 77
U.S. price support of copper ? N 107
Is the Blarney Stone a base metal ? .. .. .. N 178
Scratch Australia and you find minerals .. .. N 208
Metals in the Emerald Isle .. N 236
Paley in retrospect .. .. A 237
Non-ferrous metals in India .. N 264
Central African Federation's new copper mine .. .. A 266
Progress of Mexico's mining industry .. .. .. A 298
Co-partnership on the Copperbelt .. .. N 365
Norway in 1956 .. .. A 371
Dark economic outlook for Chile ? .. .. .. N 398
"It all depends on what you mean" .. .. N 399
Achievements of the U.S. Bureau of Mines in 1956 .. A 404
Heat treating copper-silver alloys .. .. T 406
Canadians revive Eire's mining industry .. .. .. N 486
The Times looks at the L.M.E... N 519
Lower copper dividends .. MF 666
Union Miniere's power reserves N 683
Mining activity in Israel .. N 716
(*See also* weekly note under "Metals and Minerals")

CRYOLITE
Greenland's unique cryolite deposits .. .. .. N 717

DIAMONDS
Record diamond sales : price rises .. .. MF 59
A Hobart House with diamonds N 106
The diamond industry in 1955.. A 146
Tanganyika's mining year in 1956 .. .. N 294
Power plant at Williamson Diamond Mines .. .. A 332

THE INSTITUTION OF MINING ENGINEERS

Metals and minerals .. MT 466, 627
A new venture in public relations .. .. A 69
Diamond demand unabated .. MF 729

EMERY

The rehabilitation of Greek mining A50

GALLIUM

Gallium in transistors .. .. MT 726

GAS

Australian mining enters a New Year .. .. A 79
Accumulation of methane during mining operations .. A 428
Gas chromatography .. .. T 529

GERMANIUM

By-product minerals .. .. A 48
Metals and minerals .. .. MT 56, 155, 726

GOLD — AUSTRALASIA

Australian mining enters a New Year .. .. A 79
Mining and exploration in Fiji A 108
Nothing succeeds like success .. N 144
Australia's marginal gold mines MF 436
Problems of Australian gold mining .. .. .. N 582
Mine taxation in Fiji .. .. N 749

GOLD — CANADA

Canada does it again .. .. A 14
Canada's northern frontier .. A 554

GOLD — SOUTH AFRICA

Rand and O.F.S. monthly gold mine returns .. .. MR 62, 193, 309, 437, 762
Analysis of Rand and O.F.S. quarterlies Sups. Feb. 1 & May 3
Transvaal and O.F.S. gold and uranium producers' output tables .. .. .. MF 307, 630
South African Budget: no subsidy for gold .. .. .. MF 380
Sir Ernest and the gold price .. MF 630
South Africa's marginal gold mines .. .. A 656
Adlai addles Kaffir boomlet .. MF 761
Kaffir dividends summarized .. MF 797
The South African gold mining industry, its progress and problems .. .. .. N 812
Sir Ernest Oppenheimer on taxation .. .. .. MF 824

GOLD — SOUTHERN RHODESIA

Southern Rhodesia's largest gold producer .. .. MF 120
Southern Rhodesian quarterly gold mine returns .. MR 224, 828
The geology of the Odzi Gold belt .. .. R 504

GOLD — WEST AFRICA

West African quarterly gold mine returns .. .. MR 127, 734
All eyes on Ghana .. .. N 293
Gold mining in Ghana .. A 620
Mining progress in Nigeria .. N 652
Ghana's gold producers .. A 657
Mining methods in Ghana .. A 686
Economics of gold mining in Ghana .. .. .. N 814

GOLD — VARIOUS

The rehabilitation of Greek mining .. .. .. A 50
Is the Blarney Stone a base metal ? .. .. .. N 263
Metals and minerals .. .. MT 188
What Russia thinks about gold N 263
Tanganyika's mining year in 1956 .. .. N 294
Progress of Mexico's mining industry .. .. .. A 298
Don't quote us ! .. .. .. N 399
Canadians revive Eire's mining industry .. .. .. N 486
Opening up Ethiopia .. .. N 518
Radioactive gold in aircraft propulsion .. .. .. T 589
Concentration studies at the Chemical Research Laboratories .. .. A 689

GRANITE

The granite controversy .. A 370

GRAPHITE

Tanganyika's mining year in 1956 .. .. N 294
Norway in 1956 .. .. A 371
Ceylon's mineral potential .. N 452
Graphite anodes for cathodic protection .. .. .. T 589
Mining expansion in Morocco N 619

GYPSUM

Tanganyika's mining year in 1956 .. .. N 295

ILMENITE

Mining developments in Brazil N 47
Norway in 1956 .. .. A 371
Production of ilmenite in Western Australia .. .. A 400
Ceylon's mineral potential .. N 452
Portuguese mineral exports in 1956 .. .. N 452
Metals and minerals .. .. MT 463, 561, 664
Japanese investment in South East Asia .. .. .. N 811

INDIUM

By-product minerals .. .. A 48
Germanium and indium from Germany .. .. .. MT 726

IRON AND STEEL — EUROPE

The rehabilitation of Greek mining .. .. .. A 50
Mining practice at Langsele, N. Sweden .. .. .. A 78
Progress of the Yugoslav mining industry during 1956 .. A 334
Norway in 1956 .. .. A 371
The largest steel plant in Yugoslavia .. .. .. A 491
High Authority's fifth annual report .. .. .. N 553
Steel in the ascendant .. .. N 619
Developments in Yugoslavia's steel industry.. .. .. A 654

IRON AND STEEL — GREAT BRITAIN

New all-steel conveyors to be built in Great Britain .. M 113
More thoughts on steel .. N 209
Steel versus titanium .. .. A 368
Steel—in spite of the Budget .. N 517
Continuous prosperity of U.K. steel .. .. A 557
Steel in the ascendant .. .. N 619
New look for steel .. .. N 684

IRON AND STEEL — NORTH AMERICA

Canada does it again .. .. A 14
Commonwealth steel expansion N 178
Iron ore in Canada .. .. A 184
Metals and minerals .. .. MT 275
Achievements of the U.S. Bureau of Mines in 1956 .. A 404
Have we enough water ? .. N 452
Canada's northern frontier .. A 554
Steel in the ascendant .. .. N 619
Re-shaping U.S. mineral policy N 651
High metallic iron concentrate T 820

IRON AND STEEL — VARIOUS

Raising Australia's steel output N 47
Commonwealth steel expansion N 178
Scratch Australia and you find minerals .. .. .. N 208
More thoughts on steel .. N 209
Expansion of Moroccan mining during 1956 .. .. .. A 242
Progress of Mexico's mining industry .. .. .. A 299
Southern Rhodesian steel denationalization .. .. FN 308
Australian iron ore search .. A 371
Ceylon's mineral potential .. N 452
Indo-Japanese iron ore contract N 487
Mining expansion in Morocco N 619
The Minas Gerais triangle, Brazil .. .. A 749
Widening interest in Liberia .. N 784
Brazil's " El Dorado " of iron.. A 787
Japanese investment in South East Asia .. .. .. N 811

LEAD

Is the Blarney Stone a base metal ? .. .. .. N 178
Paley in retrospect .. .. A 237
Expansion of Moroccan mining during 1956 .. .. .. A 242
Tanganyika's mining year in 1956 .. .. N 294
More mines for Eire ? .. .. N 295
Progress of Mexico's mining industry .. .. .. A 298
The Times looks at the L.M.E... N 519
Growing markets for lead .. N 552
Canada's northern frontier .. A 554
Are higher U.S. lead-zinc tariffs coming ? .. .. .. N 581
Mining expansion in Morocco N 619
World supplies of lead and zinc A 622
Mineral exploration in Australia .. .. N 685
Queensland worth £100,000,000 a year .. .. .. N 716
U.S. long-range mineral programme .. .. .. N 784
(*See also* weekly notes under "Metals & Minerals")

LIGNITE

Haiti's mineral deposits .. N 8
Yugoslavia's mining programme based on mechanization A 271
Progress of the Yugoslav mining industry during 1956 .. A 334
Uranium from lignite .. .. MT 794

LITHIUM

Canada does it again .. .. A 14
Metals and minerals .. .. MT 304, 340, 530, 592, 693, 793

MAGNESITE

The rehabilitation of Greek mining .. .. .. A 50
Tanganyika's mining year in 1956 .. .. N 295

MAGNESIUM

Metals and minerals MT 217, 463, 592
The future of the special metals A 454

MANGANESE

The rehabilitation of Greek mining .. .. .. A 50
Mining and exploration in Fiji A 108
Expansion of Moroccan mining during 1956 .. .. .. A 242
Achievements of the U.S. Bureau of Mines in 1956 .. A 404
Manganese occurrences in Southern Rhodesia .. .. A 430
Mining expansion in Morocco N 619
The Amazon task in Brazil .. N 717
(*See also* weekly notes under "Metals & Minerals")

MARBLE

Mining activity in Israel .. N 716

MICA

Tanganyika's mining year in 1956 .. .. N 294
Ceylon's mineral potential .. N 452

MOLYBDENUM

A new grease family .. .. T 185
Metals and minerals .. MT 276, 463
Norway in 1956 .. .. A 371
The future of the special metals A 454

MONAZITE

Metals and minerals .. .. MT 155
Strategic minerals from Pacific Northwest .. .. .. N 208
Ceylon's mineral potential .. N 452
Mining progress in Nigeria .. N 652

NICKEL

Canada does it again .. .. A 14
Nickel's memorable year .. N 76
A policy of expansion .. .. N 331
Moa Bay nickel project .. N 367
The future of the special metals A 454
Multi-metal mining .. .. N 553
Canada's northern frontier .. A 554
(*See also* weekly notes under "Metals & Minerals")

NIOBIUM

Tanganyika's mining year in 1956 .. .. N 295
Norway in 1956 .. .. A 371

OIL

Nothing succeeds like success.. N 144
Scratch Australia and you find minerals .. .. .. N 208
Expansion of Moroccan mining during 1956 .. .. .. A 242
Progress of the Yugoslav mining industry during 1956 .. A 334
Canada's northern frontier .. A 554
Challenge to New South Wales coal .. .. N 618
Mineral exploration in Australia .. .. N 685

PEAT

Peat as a taconite binder .. T 185

PHOSPHATE

Ore beneficiation in the United States .. .. A 240
Expansion of Moroccan mining during 1956 .. .. .. A 242
Mining activity in Israel .. N 716

PLATINUM

Canada does it again .. .. A 14
Bright promise for platinum .. MF 59
Metals and minerals .. .. MT 117, 155, 346, 793
The Minas Gerais triangle, Brazil .. .. A 749

PYRITES

The rehabilitation of Greek mining .. .. .. A 50
Norway in 1956 .. .. A 371

PYROCHLORE

The Minas Gerais triangle, Brazil .. .. A 749
The Feira carbonates .. .. N 813

QUARTZ

The Amazon task in Brazil .. N 717

QUICKSILVER

The Amazon task in Brazil .. N 717
(*See also* weekly notes under "Metals & Minerals")

RARE EARTHS

Metals and minerals .. MT 592, 793

RHENIUM

Further by-product minerals .. A 81

RUBIDIUM

Further by-product minerals .. A 81

RUTILE

Mining developments in Brazil N 46
Widening scope of Consolidated Zinc .. .. N 425
The prospects for rutile .. A 586
Metals and minerals .. .. MT 758

SAND

Mining activity in Israel .. N 716

SCANDIUM

Further by-product minerals .. A 81

SCHEELITE

Mining developments in Brazil N 46

SELENIUM

Metals and minerals MT 21, 155, 275
Further by-product minerals .. A 81
Selenium and tellurium from Canadian ores .. .. A 210
Selenium detection kit .. M 723

SILICON

Metals and minerals .. .. MT 155
The Canadian silica industry .. R 699

SILVER

Metals and minerals .. .. MT 56, 117, 304, 377, 561
Tanganyika's mining year in 1956 .. .. N 294
Heat treating copper silver alloys .. .. T 406

SULPHUR

Canada does it again .. .. A 14
The rehabilitation of Greek mining .. .. .. A 50
Metals and minerals .. .. MT 276
Progress of Mexico's mining industry .. .. .. A 298
New unit finds sulphide minerals .. .. .. M 431
Multi-metal mining .. .. N 553

TACONITE

Peat as a taconite binder .. T 185

TANTALUM

Mining progress in Nigeria .. N 652
Metals and minerals .. .. MT 794

TELLURIUM

Further by-product minerals .. A 81
Selenium and tellurium from Canadian ores .. .. A 210

THALLIUM

By-product minerals .. .. A 48

THORIUM

Metals and minerals .. MT 561, 793

TIN

Whatever we do, let's do it for the right reasons .. .. N 47
Quarterly tin mine returns MR 127, 734
New uses for tin in nuclear power .. .. .. A 214
Paley in retrospect .. .. A 237
Tanganyika's mining year in 1956 .. .. N 295
Where are we getting to with tin ? .. .. N 396
The Times looks at the L.M.E. N 519
The Malayan tin industry after independence.. .. .. N 582
The Amazon task in Brazil .. N 717
Japanese investment in South East Asia .. .. .. N 811
Tin and tungsten from slag .. T 820
(*See also* weekly notes on "Metals & Minerals")

TITANIUM

Canada does it again .. .. A 14
Strategic minerals from Pacific Northwest .. .. .. N 208
Titanium sponge handling system .. .. .. A 336
Steel versus titanium .. .. A 368
The future of the special metals A 454
Hungarian titanium technology T 528
Widening interest in Liberia .. N 784
(*See also* weekly notes on "Metals & Minerals")

TUNGSTEN

Metals and minerals .. .. MT 245, 409, 434, 529, 727, 821
Metals for supersonic flight .. A 270
Tanganyika's mining year in 1956 .. .. N 295
Tin and tungsten from slag .. T 820

URANIUM

New Year look for U.S. uranium .. .. .. N 8
Uranium by the pound .. N 9
Canada does it again .. .. A 14
Uranium—a floor but no ceiling MF 89
Fact and fission .. .. MF 120
Long term outlook for uranium is good .. .. Sup. Feb. 1
Nothing succeeds like success.. N 144
More radiations from Canada's uranium industry .. .. N 145
Mining uranium at the Big Buck Mine, Utah .. .. .. A 182

Growing demand for uranium N 207
More uranium "guestimates" N 236
The opening of Algom .. A 296
Transvaal and O.F.S. gold and uranium producers' tables .. MF 307, 630
Coal practice aids uranium exploitation .. .. .. M 339
Upgrading South Africa's uranium .. .. .. N 366
Increasing uranium concentrate production on the Colorado Plateau .. .. .. A 369
Extraction of uranium.. .. T 406
Canada's uranium boom .. A 426
A new uranium detector .. M 459
South Africa's uranium exports MF 467
Australia's uranium development .. .. N 487
Canada's northern frontier .. N 554
Concentration studies at the Chemical Research Laboratory .. .. A 689
Queensland worth £100,000,000 a year .. .. .. N 716
The Amazon task in Brazil .. N 717
Uranium in France .. .. A 753
(*See also* weekly notes under "Metals & Minerals")

VANADIUM

Another skeleton in the Chancellor's cupboard ? .. .. N 177
What's at stake in South West Africa .. .. .. A 268
Metals and minerals .. .. MT 726

VERMICULITE

The Feira carbonates .. .. N 683

WOLFRAM

Metals and minerals .. .. MT 21, 117, 155, 188, 378
Mining developments in Brazil N 46
Japanese investment in South East Asia .. .. .. N 811

ZINC

Canada does it again .. .. A 14
The rehabilitation of Greek mining .. .. .. A 50
Australian mining enters a New Year .. .. A 79
Zinc may spark Mexican mining revival .. .. .. N 45
Is the Blarney Stone a base metal ? .. .. .. N 178
Paley in retrospect .. .. A 237
Expansion of Moroccan mining during 1956 .. .. .. A 242
Progress of Mexico's mining industry .. .. .. A 298
Norway in 1956 .. .. A 371
Widening scope of Consolidated Zinc .. .. N 425
The Times looks at the L.M.E... N 519
Canada's northern frontier .. A 554
Are higher U.S. lead-zinc tariffs coming ? .. .. .. N 581
Zinc refining method .. .. T 589
World supplies of lead and zinc A 622
U.S. long-range mineral programme .. .. .. N 784
Furnace designs and smelting methods for non-ferrous metals.. .. .. .. A 788
(*See also* weekly notes under "Metals & Minerals")

ZIRCONIUM

Metals and minerals .. .. MT 217, 275, 408, 561, 693
Strategic minerals from Pacific Northwest .. .. .. N 208
The future of the special metals A 454

Countries

ABYSSINIA

Opening up Ethiopia .. .. N 518

ALGERIA

France's Sahara bill .. .. N 7

ANGOLA

The diamond industry in 1955 A 146

AUSTRALIA

Base metals into gold—or dollars .. .. .. N 45
Raising Australia's steel output N 47
Australian mining enters a New Year .. .. A 79
Long term outlook for uranium is good .. .. Sup. Feb. 1
Nothing succeeds like success.. N 144
Commonwealth steel expansion N 178
Scratch Australia and you find minerals .. .. .. N 208
More uranium "guestimates" N 236
Mining blue asbestos in Western Australia .. .. .. A 238
Australian iron ore search .. A 371
Production of ilmenite in Western Australia .. .. A 400
Widening scope of Consolidated Zinc .. .. N 425
Australia's marginal gold mines MF 436
Australia's uranium development .. .. N 487
Prospecting in Cape York, Australia .. .. .. N 553
Problems of Australian gold mining .. .. .. N 582
The prospect for rutile.. .. A 586
Challenge to New South Wales coal .. .. N 618
Steel in the ascendant .. .. N 619
The World's supplies of lead and zinc .. .. .. A 622
"Magnetic Results" from Macquarie Island, 1953 .. .. R 671
Mining Review, No. 101 .. R 671
Mineral exploration in Australia .. .. N 685
Queensland worth £100,000,000 a year .. .. .. N 716
Burden of paid leave in Australia .. .. .. A 817

AUSTRIA

More thoughts on steel .. N 209

BELGIUM

Pool coal imports .. .. N 295
The world's supplies of lead and zinc .. .. .. A 623

BELGIAN CONGO

Long term outlook for uranium is good .. .. Sup. Feb. 1
The diamond industry in 1955 A 146
Rivals for Volta .. .. N 235
Aluminium galore .. .. N 518
Union Miniere's power reserves N 683

BOLIVIA

Whatever we do—let's do it for the right reasons ! .. .. N 47
Like water and oil .. .. N 423
Selling mining machinery in Bolivia .. .. .. A 587

BRAZIL

Mining developments in Brazil N 46
The Amazon task in Brazil .. N 717
The Minas Gerais triangle, Brazil .. .. A 749
Brazil's "El Dorado" of iron A 787

BRITISH GUIANA

The diamond industry in 1955 A 146

CANADA

Canada does it again .. .. A 14
Base metals into gold—or dollars .. .. .. N 45
Quebec's asbestos mountains .. A 110
Long term outlook for uranium is good .. .. Sup. Feb. 1
More radiations from Canada's uranium industry .. .. N 145
Commonwealth steel expansion N 178
Selenium and tellurium recovery from Canadian ores .. A 210
More uranium "guestimates" N 236
The opening of Algom .. A 296
The old bogey .. .. .. N 331
New power project for Canada N 366
Canada's uranium boom .. A 426
New unit finds sulphide minerals M 431
Have we enough water ? .. N 452
Canadian's revive Eire's mining industry .. .. .. N 486
Health and Safety in the mining industry .. .. .. A 490
Canada's northern frontier .. A 554
Canadian mineral industry .. R 568
Opening up Manitoba .. .. A 584
The world's supplies of lead and zinc .. .. A 622
The Canadian silica industry .. R 699
Canada puts it in writing .. N 715
Canada changes horses .. N 783

CENTRAL AFRICAN FEDERATION

Central African Federation's new copper mine .. .. A 267

CEYLON

Minerals in Ceylon .. .. MT 409
Ceylon's mineral potential .. N 452
Japanese investment in South East Asia .. .. .. N 811

CHILE

Dark economic outlook for Chile .. .. N 398

CHINA

Bumper year for coal .. .. N 107
More thoughts on steel .. N 209

CUBA

Nickel's memorable year .. N 76
Moa Bay nickel project .. N 366

EIRE

Base metals into gold—or dollars .. .. .. N 45
Is the Blarney Stone a base metal ? .. .. .. N 178
Metals in the Emerald Isle .. N 236
More mines for Eire .. .. N 295
Canadian's revive Eire's mining industry .. .. .. M 486

FIJI

Australian mining enters a New Year .. .. A 79
Mining and exploration in Fiji A 108
Mine taxation in Fiji .. .. N 748

FRANCE

France's Sahara bill .. .. N 7
More uranium "guestimates" N 236
Pool coal imports .. .. N 295
Uranium in France .. .. A 753

FRENCH AFRICA

Assistance for French mining projects .. .. .. N 144
The diamond industry in 1955 A 146
Rivals for Volta .. .. N 235
Aluminium galore .. .. N 518

GERMANY

More thoughts on steel .. N 209
Pool coal imports .. .. N 295
Converting electrical into thermal energy .. .. .. T 528
Steel in the ascendant .. .. N 619
World supplies of lead and zinc A 623

GHANA

The diamond industry in 1955 A 146
Rivals for Volta .. .. N 235
All eyes on Ghana .. .. N 293
Aluminium galore .. .. N 518
Gold mining in Ghana .. A 620
Ghana's gold producers .. A 657
Mining methods in Ghana .. A 686
Economics of gold mining in Ghana .. .. .. A 814

GREECE

The rehabilitation of Greek mining .. .. .. A 50

GREENLAND

Greenland's unique cryolite deposits .. .. .. N 717

HAITI

France's Sahara bill .. .. N 7
Haiti's mineral deposits .. N 8

HOLLAND

Pool coal imports .. .. N 295

HUNGARY

Hungarian titanium technology T 528
Hungarian technology on earth movement .. .. .. T 589
Hungarian aluminium technology .. .. .. T 820

INDIA

A Hobart House with diamonds N 106
The diamond industry in 1955.. A 146
Commonwealth steel expansion N 178
Non-ferrous metals in India .. N 264
British banking in the East .. N 330
Indo-Japanese iron ore contract N 487
Finance for India's heavy industry .. .. .. N 618

ISRAEL

More thoughts on steel .. N 209
Mining activity in Israel .. N 716

ITALY

Pool coal imports .. .. N 295
World's supplies of lead and zinc .. .. A 622

JAPAN

More thoughts on steel .. N 209
Indo-Japanese iron ore contract N 487
The world's supplies of lead and zinc .. .. A 622
Japanese investment in South East Asia .. .. .. N 811

LIBERIA

Widening interest in Liberia .. N 784

LUXEMBURG

Pool coal imports .. .. N 295

MALAYA

Prospecting Malaya by air .. N 107
New uses for tin in nuclear power .. .. .. A 214
Needs for Malayan prospecting FN 308
The story of bauxite in Malaya A 556
The Malayan tin industry after independence.. .. .. N 583
Japanese investment in South East Asia .. .. .. N 811

MEXICO

Base metals into gold—or dollars .. .. .. N 45
Zinc may spark Mexican mining revival .. .. .. N 145
Progress of Mexico's mining industry .. .. .. A 298
Mexico's half-loaf for mining companies .. .. .. N 330
The world's supplies of lead and zinc .. .. A 622

MOROCCO

France's Sahara bill .. .. N 7
Expansion of Moroccan mining during 1956 .. .. .. A 242
U.S. mines more dangerous N 619

NEW CALEDONIA

Nickel's memorable year .. N 76

NIGERIA

Annual Report of Geological Department .. .. .. R 504
Mining progress in Nigeria .. N 652

NORTHERN RHODESIA

Power for Copperbelt .. .. FN 60
Prospecting Africa by air .. N 295
Partnership on the Copperbelt N 365
The Feira carbonates .. .. N 813

NORWAY

Norway in 1956 .. .. A 371

PERU

The world's supplies of lead and zinc .. .. A 622

PHILIPPINES

Airborne prospecting in the Philippines .. .. .. N 653
Japanese investment in South East Asia .. .. .. N 811

POLAND

The world's supplies of lead and zinc .. .. A 622

PORTUGAL

Portuguese mineral exports in 1956 .. .. N 453

SIERRA LEONE

The diamond industry in 1955 A 146

SOUTH AFRICA

Mine rope-breaking tests in South Africa .. .. .. M 18
Rand and O.F.S. monthly gold mine returns .. .. .. MR 62, 193, 309, 437, 762
Uranium—a floor but no ceiling MF 89
Long term outlook for uranium is good .. .. Sup. Feb. 1
Analysis of Rand and O.F.S. quarterlies Sup. Feb. 1 and May 3
The diamond industry in 1955 A 146
Commonwealth steel expansion N 178
South African shaft sinking techniques .. .. .. A 212
South African coal mine returns, October-December 1956 .. .. MR 224
Who will sharpen the saw ? .. N 294
Transvaal and O.F.S. gold and uranium producers' tables .. MF 307, 630
Upgrading South Africa's uranium .. .. .. N 366
South African Budget: no subsidy for gold .. .. MF 380
Rail tariff increases .. .. MT 409
South Africa's uranium exports FN 466
South Africa's marginal gold mines .. .. A 656
Adlai addles Kaffir boomlet .. MF 761
Not worth a mass .. .. .. N 783
Kaffir dividends summarized .. FN 797
"Springboks" to sink shafts for N.C.B. .. .. .. N 812
The South African gold mining industry—its progress and problems .. .. .. N 812
Sir Ernest Oppenheimer on Taxation .. .. .. MF 824

SOUTHERN RHODESIA

Uranium by the pound .. N 9
Southern Rhodesia's largest gold producer .. .. A 120
Southern Rhodesian quarterly gold outputs .. .. MR 224, 828
Southern Rhodesian steel denationalization .. .. FN 308
Manganese occurrences in Southern Rhodesia .. .. A 430
The Geology of the Odzi Gold Belt .. .. R 504

SOUTH WEST AFRICA
The diamond industry in 1955 .. A 146
What's at stake in South West Africa .. .. .. A 268

SPAIN
British loader in Spain .. .. M 626

SWEDEN
Mining at Kristineberg, North Sweden .. .. .. A 10
Mining practice at Langsele, North Sweden .. .. A 78
Mine conveying moves ahead .. A 111

TANGANYIKA
The diamond industry in 1955 A 146
Tanganyika's mining year in 1956 .. .. N 294
Power plant at Williamson Diamond Mines .. .. A 332

TASMANIA
Scheelite mining at Kings Island, Tasmania .. .. A 52
Production of ilmenite in Western Australia .. .. A 400

THAILAND
Grab dredging for minerals at sea .. .. A 524
Japanese investment in South East Asia .. .. .. N 811

U.S.A.
New Year look for U.S. uranium .. .. .. N 8
Coal pipelines .. .. .. N 9
Nickel's memorable year .. N 76
Copper unlimited .. .. .. N 77
No shocks from Washington .. N 105
U.S. price support of copper ? N 107
Bumper year for coal .. .. N 107
Long term outlook for uranium is good .. .. .. Sup. Feb. 1
Two fields for atomic power .. N 143
Mining uranium at Big Buck Mine, Utah .. .. .. A 182
Small atomic power stations .. A 212
U.S. coal price boost .. .. N 237
Paley in retrospect .. .. A 237
Ore beneficiation in the United States .. .. A 240
U.S. mineral resources policy .. N 329
Increasing uranium concentrate production in the Colorado Plateau .. .. .. A 369
Achievements of the U.S. Bureau of Mines in 1956 .. A 404
The future of the special metals A 454
Shaft supports at the Banner Mine, New Mexico .. .. A 488
Block caving in Wyoming .. A 522
Growing markets for lead .. N 552
Are higher U.S. lead-zinc tariffs coming ? .. .. .. N 581
U.S. mines more dangerous .. N 619
Steel in the ascendant .. .. N 619
The world's supplies of lead and zinc .. .. A 622
U.S. barter deal .. .. .. MT 628
Reshaping U.S. mineral policy N 651
U.S. coal output .. .. N 653
More agonies in the U.S. reappraisal .. .. .. N 747
American labour-management investigations .. .. N 748
U.S. long-range mineral programme .. .. .. N 784

U.S.S.R.
Bumper year for coal .. .. N 107
Paley in retrospect .. .. A 237
Hydraulic coal mining in Russia A 241
What Russia thinks about gold N 263
Russo-Yugoslav mining enterprises .. .. N 452
Zinc refining method .. .. T 589
The world's supplies of lead and zinc .. .. .. A 622

VENEZUELA
The diamond industry in 1955 A 146
One-piece conveyor .. .. M 376

WEST AFRICA
West African gold outputs, October-December 1956 .. MR 127
Aluminium galore .. .. N 518

YUGOSLAVIA
Yugoslavia's aluminium industry .. .. A 109
Yugoslavia's mining programme based on mechanization .. .. A 271
Progress of the Yugoslav mining industry during 1956 .. A 334
Russo-Yugoslav mining enterprises .. .. N 452
The largest steel plant in Yugoslavia .. .. .. A 491
The world's supplies of lead and zinc .. .. A 622
Developments in Yugoslavia's steel industry .. .. .. A 654

Men, Methods and Machines

AIR SURVEY
Prospecting Malaya by air .. N 107
Nothing succeeds like success N 144
Prospecting Africa by air .. N 295
Next step in Baffinland .. A 430
Airborne prospecting in the Philippines .. .. .. N 653
The Amazon task in Brazil .. N 717

AIR TRANSPORTATION
Opening up Manitoba .. A 584

ATOMIC ENERGY
No shocks from Washington .. N 105
Two fields for atomic power .. N 143
Growing demand for uranium N 207
Europe's widening energy gap N 209
Small atomic power stations for mines .. .. .. A 212
New uses for tin in nuclear power .. .. .. A 214
Achievements of the U.S. Bureau of Mines in 1956 .. A 404
Australia's uranium development .. .. N 487
The need for nuclear power stations .. .. .. N 652
Arc-welding electrodes at Dounreay .. .. .. M 692

BOILERS AND FURNACES
Australian mining enters a New Year .. .. .. A 79
Steel versus titanium .. .. A 368
A new assay furnace .. .. M 626
Furnace designs and smelting methods for non-ferrous materials .. .. .. A 788

COAL TECHNOLOGY
The training of ore dressing and coal preparation plant .. A 265

COMPRESSORS
Experiments with a face air-breaker .. .. .. M 53
Range of air compressors .. M 83
Selling mining machinery in Bolivia .. .. .. A 587
Hand-held air motor for small winches .. .. .. M 754

DIESEL ENGINES
Diesel power in diamond drills M 243
Diesel underground locomotives .. .. M 527
Mining methods in Ghana .. N 686

DREDGING AND EXCAVATING
Opening up Ethiopia .. .. N 518
Grab dredging for minerals at sea .. .. .. A 524
Mining methods in Ghana .. A 686

DRILLING
A water-controlled pick .. M 18
Rotary-percussive rock drill .. M 152
Mining uranium at the Big Buck Mine, Utah .. .. A 182
Diesel power in diamond drills M 243
Portable drill-driven mine pump M 274
The slant on vertical drilling .. M 302
Surveying and controlling direction in drill holes .. A 457
A range of drill steels .. .. M 460
Rotary drill for soft rock .. M 527
A new drill core library .. A 558
Selling mining machinery in Bolivia .. .. .. A 587
Popholing with small drills .. M 660
Modified core drills .. .. M 755
Range of rock drills .. .. M 755

EDUCATION AND TRAINING
Mining needs chemical engineers .. .. .. N 106
The training of ore dressing and coal preparation plants A 265
The pause that refreshes .. N 485
The Year Book of Technical Education and Careers in Industry .. .. .. R 504
Atomics, Television and pit measurements .. .. A 786

ELECTRIC EQUIPMENT
British Thomson-Houston in 1956 .. .. A 82
The General Electric Company in 1956 .. .. .. A 151
Control exciters in Ward-Leonard mine system .. M 215
Auxiliary ventilated electric motors .. .. .. M 274
New range of A.C. motors .. M 303
Electrodes in mine workshops M 303
Metro-Vickers in 1956 .. A 405
Electrical equipment for mining M 430
A revised British Standard M 460
Induction and dielectric heating R 540
The B.I.F. in 1957 .. .. A 559

EXHIBITIONS AND CONFERENCES
A new venture in public relations .. .. A 690
Atomics, television and pit measurements .. .. A 786

EXPLOSIVES
Quebec's asbestos mountains A 110
Mining uranium at the Big Buck Mine, Utah .. .. A 182
New six-shot exploder .. M 376
Achievements of the U.S. Bureau of Mines in 1956 .. A 404

GEOLOGY AND ORE DEPOSITS
Strategic minerals from Pacific Northwest .. .. .. N 208
A geological survey unit .. M 243
What's at stake in South West Africa .. .. .. A 269
The granite controversy .. A 370
"A rock by any other name . . ." .. .. .. N 424
Manganese occurrences in Southern Rhodesia .. .. A 430
Filming inside boreholes .. M 460
The Geology of the Odzi gold belt .. .. .. R 504
Annual Report of Geological Survey Department, Nigeria R 504
New system of rock surveying T 528
Hungarian technology on earth movement .. .. .. T 589
Gold mining in Ghana .. A 620
The Minas Gerais triangle, Brazil .. .. A 749
"Growing" rocks in the laboratory .. .. .. N 785
The Feira carbonates .. N 813
The use of punched cards in geology .. .. .. A 815

HEALTH, SAFETY AND WELFARE
Mine rope breaking tests in South Africa .. .. M 18
Safety belts and harness .. M 83
Protection for "slung" materials .. .. .. M 243
Extinguisher for metal fires .. M 339
Achievements of the U.S. Bureau of Mines in 1956 .. A404
Explosion-proof light for underground photography .. T 406
Accumulation of methane during mining operations .. A 428
Filming inside boreholes .. M 460
Health and safety in the mining industry .. .. A 490
Quarry dust extractor .. M 493
U.S. mines more dangerous .. N 61
Haulage safety device .. M 660
Arresting fire in mine timber M 692
Two new British Standards .. M 723
Latest respirator has new features .. .. .. M 792
N.C.B. shows biggest profit .. N 813

LABOUR
What price glory .. .. N 77
U.K. coal output up .. .. N 264
Who will sharpen the saw ? .. N 294
Co-partnership on the Copperbelt .. .. N 364
More coal, less absenteeism .. N 425
Hungarians in the balance .. N 453
South Africa's marginal gold mines .. .. .. A 656
Mine labour in Ghana .. A 719
American labour-management investigations .. .. N 748
Burden of paid leave in Australia .. .. .. A 817

LIGHTING
Breast battery lighting set .. M 660

LUBRICATION AND ANTI-CORROSION
A new grease family .. .. T 185
Valves to resist corrosive forces .. .. M 302
Portable solvent unit .. .. M 339
New silicone compound .. T 406
Transportable servicing unit .. M 527
Portable high pressure pump .. M 792

MECHANICAL HANDLING
Titanium sponge handling system .. .. .. A 336
Heavy duty dumpers .. .. M 338
Elevators and skip hoists .. M 338
Brake linings in mining .. A 372
Mechanical rock crusher .. M 460
Novel mucking tool .. .. M 493
Triple action impact breaker M 493
The B.I.F. in 1957 .. .. A 559
Selling mining machinery in Bolivia .. .. .. A 588
British loader in Spain .. M 626
A cleaver tool .. .. .. M 626
A simple pincer grip .. .. M 659
Handling ingots .. .. M 692
Front-end loaders .. .. M 792
Level control of solids .. T 820

METALLURGY
By-product Minerals .. .. A 48
Sorting non-ferrous metals .. M 53
Nickel's memorable year .. N 76
Further by-product minerals .. A 81
New powder metallurgy process T 185
Grinding wheel dressers .. M 243
Metals for supersonic flight .. A 270
Steel versus titanium .. .. A 368
Achievements of the U.S. Bureau of Mines in 1956 .. A 404
Explosion-proof light for underground photography .. T 406
Non-ionic surface agents .. T 406
Heat-treating copper-silver alloys .. .. T 406
Converting electrical into thermal energy .. .. T 528
The B.I.F. in 1957 .. .. A 559
Zinc refining method .. .. T 589
New high-temperature alloy .. T 820
Tin and tungsten from slag .. T 820

MINING AND EXTRACTION
Mining at Kristineberg, N. Sweden .. .. .. N 10
Cutting with standard machines and flight loading .. .. N 12
Scheelite mining at King Island, Tasmania .. .. .. A 52
Mining practice at Langsele, North Sweden .. .. A 78
Mining and exploration in Fiji .. .. A 108
Quebec's asbestos mountains A 110
Tapered roller bearings in mining .. .. .. M 152
Mining uranium at the Big Buck Mine, Utah .. .. A 182
South African shaft sinking techniques .. .. .. A 212
Mining blue asbestos in Western Australia .. .. A 238
Hydraulic coal mining in Russia .. .. .. A 241
Grinding wheel dressers .. M 243
A portable hydraulic shear .. M 274
The opening of Algoma .. A 296
Breaking mined rock .. .. M 303
Coal practice aids uranium exploitation .. .. .. M 339
Coal mining developments .. M 339
Brake linings in mining .. A 372
Developments in Britain's coal mining industry .. .. A 458
Hydraulic prop test rigs .. M 459
Filming inside boreholes .. M 460
A continuous miner series .. M 460
Shaft supports at the Banner Mine, New Mexico .. A 488
Modernizing Britain's coal mines .. .. A 492
Novel mucking tool .. .. M 493
Block caving in Wyoming .. A 522
Surface grader blades .. M 527
The B.I.F. in 1957 .. .. A 559
New designs for colliery equipment .. .. .. A 624
Mining methods in Ghana .. A 686
Greenland's unique cryolite deposits .. .. .. N 717
Tunnelling for power .. A 721
A century of engineering progress .. .. .. A 722
Scientific roof control .. M 754
Hand-operated jaw crusher .. M 755
"Springboks" to sink shafts for N.C.B. .. .. .. N 812
A new method of lining tunnels .. .. .. A 816
Powered roof supports in mines .. .. A 818

MINE COMMUNICATIONS
Safe phones for mine rescue .. M 493

ORE TREATMENT
A new design of concentrating table .. .. M 19
By-product minerals .. .. A 48
Mining needs chemical engineers .. .. .. N 108
Peat as a taconite binder .. T 185
Epoxy resin cements .. .. T 185
Selurium and tellurium recovery from Canadian ores A 210
Ore beneficiation in the U.S. A 240
The training of ore dressing and coal preparation plants A 265
Central African Federation's new copper mine .. .. A 267
A new type of powder classifyer M 302

Model oscillating roof roaster for mined materials .. M 338
Upgrading South Africa's uranium .. .. .. N 366
Increasing uranium concentrate production in the Colorado Plateau .. .. .. A 369
Potential crusher range .. M 376
The biggest ore dressing plant in the world .. .. A 402
Extraction of uranium .. T 406
Magnetic separation .. .. T 406
Mechanical rock crusher .. M 460
The largest steel plant in Yugoslavia .. .. .. A 491
Triple action impact breaker M 493
Multi-metal mining .. .. N 553
The story of bauxite in Malaya A 556
New method of comminution M 660
Mining methods in Ghana .. A 686
A quick method for identifying ores .. .. A 718
Wide range of research on mineral dressing .. .. A 750
Research on Cornish mineral dressing .. .. .. N 785
Furnace designs and smelting methods for non-ferrous materials .. .. .. A 788
Rotary vacuum filters .. M 792
High metallic iron concentrate T 820

POLITICS AND ECONOMICS

Westwood Ho ! .. .. .. N 75
No shocks from Washington N 105
Another skeleton in the Chancellor's cupboard .. .. N 177
Chancellor discusses development of Commonwealth resources .. .. .. A 179
Bank rate cut to five per cent MF 191
All eyes on Ghana .. .. N 293
U.S. mineral resources policy N 329
British banking in the East .. N 330
Dark economic outlook for Chile .. .. N 398
Like water and oil .. .. N 423
Russo-Yugoslav mining enterprises .. .. N 452
Re-shaping U.S. mineral policy N 651

POWER PLANTS

Power for Copperbelt .. FN 60
British Thomson-Houston in 1956 .. .. A 82
Yugoslavia's aluminium industry .. .. .. A 109
Small atomic power stations for mines .. .. .. A 212
Rivals for Volta .. .. A 235
All eyes on Ghana .. .. N 293
Power plant at the Williamson diamond mines .. .. A 332
New power project for Canada? N 366
Have we enough water ? .. N 452
Russo-Yugoslav mining enterprises .. .. N 452
Aluminium galore .. .. N 518
Canada's northern Frontier .. A 554
Opening up Manitoba .. A 584
Union Miniere's power reserves .. .. N 683
Mining methods in Ghana .. A 686

PROSPECTING

Prospecting Malaya by air .. N 107
Is the Blarney Stone a base metal ? .. .. .. N 178
Scratch Australia and you find minerals .. .. .. N 208
Metals in the Emerald Isle .. N 236
A geological survey unit .. M 243
Prospecting Africa by Air .. N 295
More mines for Eire .. .. N 295
Need for Malayan prospecting FN 308
Australian iron ore search .. A 371
Next step in Baffinland .. A 430
New unit finds sulphide minerals .. .. .. M 430
A new uranium detector .. M 459
Filming inside boreholes .. M 460
Canadians revive Eire's mining industry .. .. .. N 486
Opening up Ethiopia .. .. N 518
Prospecting in Cape York, Australia .. .. .. N 553
Canada's northern frontier .. A 554
The B.I.F. in 1957 .. .. A 559
Airborne prospecting in the Philippines .. .. .. N 653
Reconnaissance electro magnetic system .. .. .. M 659
Portable metal detector .. M 659
Mineral exploration in Australia .. .. N 685
Mining activity in Israel .. N 716
Widening interest in Liberia .. N 784

PUMPING AND DRAINAGE

Portable drill-driven mine pump M 274
Power plant at the Williamson Diamond Mines .. .. A 332
Developments in pumps for boreholes .. .. .. A 520

SCIENTIFIC RESEARCH

Research centre for U.K. coal mining .. .. A 180
Ore beneficiation in the United States .. .. A 240
Upgrading South Africa's uranium .. .. .. N 366
Achievements for the U.S. Bureau of Mines in 1956 .. A 404
Fluid bed reactor at Battelle T 528
Measuring dust flow .. .. T 589
Concentration studies at the Chemical Research Laboratory .. .. A 689
A quick method for identifying ores .. .. A 718
Wide range of research on mineral dressing .. .. A 750
"Growing" rocks in the laboratory .. .. .. N 785
Research on Cornish mineral dressing .. .. .. N 785
Hungarian aluminium technology .. .. .. T 820

TAXATION AND TARIFFS

Base metals into gold — or dollars .. .. .. N 45
Westwood Ho ! .. .. N 75
Assistance for French mining projects .. .. .. N 144
Another skeleton in the Chancellor's cupboard ? .. .. N 177
More thoughts on steel .. N 209
Progress of Mexico's mining industry .. .. .. A 298
Mexico's half-loaf for mining companies .. .. .. N 330
The old bogey .. .. N 331
Overseas Trading Corporation N 451
B.O.M.A. triumphs — at last MF 466
Overseas Trading Corporations established .. .. .. N 551
Are higher U.S. lead-zinc tariffs coming .. .. N 581
Britain's Cinderella industry .. N 617
More agonies in U.S. re-appraisal .. .. .. N 747
U.S. long-range mineral programme .. .. .. N 784
Economics of gold mining in Ghana .. .. .. A 814
Sir Ernest Oppenheimer on taxation .. .. .. MF 824

TIMBER

Arresting fire in mine timber M 693

TRADE AND STATISTICS

The insatiable demand for metals .. .. .. N 46
Copper unlimited .. .. N 77
U.S. barter contracts .. .. MT 86
The diamond industry in 1955 A 146
L.M.E., born 1882 and still going strong .. .. A 148
More uranium "guestimates" N 236
Paley in retrospect .. .. A 237
Improved cover for exporters A 371
"It all depends on what you mean . . ." .. .. .. N 399
Overseas Trading Corporations N 451
Steel — in spite of the Budget N 517
The Times looks at the L.M.E. N 519
The Directory of Directors .. R 540
Overseas Trading Corporations established .. .. .. N 550
World's growing metal needs discussed at I.M.M. dinner A 583
Selling mining machinery in Bolivia .. .. .. A 587
Finance for India's heavy industry .. .. .. N 618
U.S. barter deal .. .. MT 628
U.S. barter deals suspended MT 663
Mining Year Book, 1957 .. R 699
Canada puts it in writing .. N 715

TRANSPORTATION AND HOISTING

Coal pipelines .. .. .. N 9
Railway agreement lifts Copperbelt .. .. MF 24
Mine conveying moves ahead A 111
New all-steel conveyors to be built in Great Britain .. M 113
Tank-trailer carries liquids and freight .. .. .. M 114
Moving and spotting wagons M 114
Assistance for French mining projects .. .. .. N 144
Thin conveyor belts promote mining efficiency and economy .. .. .. A 150
Elevator and skip hoists .. M 338
Brake linings in mining .. M 338
Pipeline jams .. .. .. M 376
One piece conveyor .. .. M 376
Continued prosperity of U.K. steel .. .. A 557
Opening up Manitoba .. A 584
Moving ore by trolley .. A 688
Tramming up the shaft .. M 692
Coal freights dropping .. N 717
Largest British tower-mounted coal winder .. .. .. M 723
Rhodesia railways record .. MT 793

VENTILATION AND AIR CONDITIONING

Fans for handling corrosive fumes .. .. M 243
Auxiliary ventilated electric motors .. .. .. M 274
Siting fans for mine ventilation A 299
Power plant at the Williamson Diamond Mines .. .. A 332
Accumulation of methane during mining operations .. A 428
Measuring dust flow .. .. T 589
Mining methods in Ghana .. N 686
Latest respirator has new features .. .. .. M 792

WELDING

Lower temperature process welds mine equipment .. M 83
Are pipe threads obsolete .. M 215
Arc-welding electrodes at Dounreay .. .. .. M 692
Giant welded rock crusher .. M 723

Companies and other Public Bodies

For Rand and O.F.S. monthly gold mine returns, see MR 62, 193, 309, 437, 762. For quarterly figures, see supplements with our issues of February 1 and May 3. For South African coal quarterly outputs, see MR 224 and 734. For other various gold quarterly outputs, see MR 127, 224, 734 and 828. For quarterly tin outputs, see MR 127 and 734. Companies marked with an asterisk (*) are those for which share prices are quoted weekly in the "Mining Markets" column.

A

Aerex Ltd. .. .. .. A 299
Aeromagnetic Surveys .. M 431
*African and European Investment Co. .. .. .. FN 308, MF 631, ME 635
Afrikander Lease .. .. MF 247
Alco Products .. .. .. A 212
Algom Uranium Mines .. N 236, A 296, 426
Algoma Steel Corporation .. A 184
Allen (George) & Unwin .. A 370
Aluminium Company of Canada .. .. A 14, FN 467
Aluminium Ltd. .. .. FN 382, MF 413, N 518
*Amalgamated Banket Areas .. MF 247, 532, ME 632, A 657, 686
*Amalgamated Collieries of S. Africa .. .. .. ME 500
*Amalgamated Tin Mines of Nigeria .. .. .. M 527
Amber Oils .. .. .. T 589
American Institute of Mining and Metallurgical Engineers N 329, 399
American Metal Co. .. .. A 298
American Smelting & Refining Co. .. .. .. N 107, A 298
Ampat Tin Dredging .. .. FN 730
Anaconda Co. .. .. FN 62, N 399
Anglo American Corporation Group of Companies .. FN 308
Anglo American Corporation of South Africa MF 23, ME 26, MF 89, 413, DR 468, MF 498, A 690, MF 696, 762, DR 764, FN 797, A 816
*Anglo American Investment Trust .. .. MF 666
Anglo American Prospecting Co. (Africa) .. .. .. N 294
Anglo-Burma Tin Co... .. ME 672
*Anglo French Exploration Co. FN 248, 382, ME 470
*Anglo Transvaal Collieries .. Sups. Feb. 1 & May 3
Anglo Transvaal Consolidated Investment Co. .. .. .. Sups. Feb. 1 and May 3, A 212
Aokam Tin .. .. .. A 524
*Apex Trinidad Oilfields .. ME 123, FN 192
*Ariston Gold Mines .. .. MF 247, ME 349, FN 380, A 657
*Ashanti Goldfields Corporation .. .. .. Div. 90, FN 128, MF 437, ME 438, A 657, FN 825
Associated Drilling & Supply Co. .. .. N 618
Associated Electrical Industries N 785
*Associated Manganese Mines of S. Africa .. .. .. A 786
Association of Mining, Electrical and Mechanical Engineers .. ..

Centralube .. .. .. M 792
Cerro de Pasco .. .. A 622
*Champion Reef Gold Mines
Chartered Bank (The) N 332, ME 347
Chibuluma Mines .. .. MF 192
*City Deep .. Sups. Feb. 1 & May 3, ME 603
Climax Rock Drill & Engineering Works .. .. M 18, 755
Clutha River Gold Dredging .. FN 30
Clydesdale (Transvaal) Collieries .. .. FN 797
Colonial Development Corporation .. .. N 294
Commonwealth Aluminium Corporation .. .. A 79, N 425
Commonwealth Oil Co. .. N 8
Companhia Niquel de Tocantins A 749
Compagnie Internationale pour la Production de l'Alumine.. N 235
Compagnie Miniere de l'Ogoue N 144
Companhia vale do Rio Doce.. A 787
*Consolidated African Selection Trust .. .. .. A 146, MF 666
Consolidated Denison Uranium Mines .. .. .. N 145
*Consolidated Diamond Mines of South West Africa .. A 146
*Consolidated Goldfields of South Africa MF 191, 380, 762, 824
Consolidated Halliwell Mining Co. of Canada .. .. N 8
*Consolidated Main Reef Mines & Estate .. Sups. Feb. 1 & May 3
*Consolidated Mines Selection Co. .. .. FN 280, 308, ME 311
*Consolidated Murchison (Transvaal) Goldfields & Development Co. .. .. .. FN 121, Sups. Feb. 1 & May 3, ME 669
Consolidated Pneumatic Tool Co. .. M 113, 493, 660, 754
*Consolidated Zinc Corporation .. A 79, FN 222, N 553, MF 595, N 685, 716, ME 732, MF 825
Cooke, Troughton & Simms .. M 431
Copelaw.. .. .. M 274
Cornish Mining Development Association .. .. .. N 617
Corrosion Proof Products .. T 185
Crompton Parkinson .. M 303, 431
*Crown Mines .. .. FN 30, Sups. Feb. 1 & May 3, MF 595, ME 602

D

*Daggafontein Mines .. .. Sups. Feb. 1 & May 3, DR 469
Danite Hard Metals .. .. M 243
Davey Paxman & Co. .. A 266
Deb Chemical Proprietaries .. M 339
*De Beers Consolidated Mines Ltd. .. MF 59, A 146, FN 344, MF 467, 631, ME 635
Dent (H.C.) .. .. .. R 504
Denver Mining Record .. N 399
Dept. of Scientific & Industrial Research .. .. .. A 689
Diamond Trading Company .. MF 60, A 690
*Dome Mining Corporation ..
Dohm Group .. .. .. M 692
*Dominion Reefs (Klerksdorp) FN 159
*Dominion Steel & Coal Corporation 180
Dominion Wabana .. .. A 184
Dorman Long & Co. .. .. N 209
*Doornfontein Mines .. .. Sups. Feb. 1 & May 3, MF 498
Dorr-Oliver Co. .. .. M 692
Dowty Mining Equipment .. M 459, M 754, A 818
Du Pont Co. .. A 150, M 215
Dunlop Rubber Co. .. .. A 559
*Durban Roodepoort Deep .. Sups. Feb. 1 & May 3, ME 603

E

*East Champ d'Or Gold Mining Co. .. .. MF 89, Sups. Feb. 1 & May 3, MF 532, ME 534
*East Daggafontein Mines .. Sups. Feb. 1 & May 3, DR 468
*East Geduld Mines .. .. .. Sups. Feb. 1 & May 3
*East Rand Consolidated .. FN 697
*East Rand Proprietary .. Sups. Feb. 1 & May 3, ME 604
Eastern Metals Corporation .. A 14
Eastern Rand Extensions .. MF 343
Eastern Transvaal Consolidated Mines .. Sups. Feb. 1 & May 3
Eimco (Gt. Britain) .. .. A 182
Elcontrol Ltd. .. .. .. T 820
Eldorado Mining & Refining (1944) .. .. A 14, Sup. Feb. 1. N 145, 236, A 426
Electrolytic Zinc Co. .. .. N 425
Ellaton Gold Mining Co. .. Sups. Feb. 1 & May 3
Emerald Isle Mining Corporation .. .. N 178
Emperor Gold Mines A 79, 108, N 748
English Electric Co. .. .. M 274
*Esperanza Copper & Sulphur
Eureka Corporation (Ventures) M 302
European Coal and Steel Community .. .. .. N 178, 553
Eutalloy & Welding Processes.. M 303
Eutectic Welding Alloys Corporation .. .. .. M 83
*Ex-Lands Nigeria .. FN 666, 763
Export Credits Guarantee Department .. .. .. A 371
Explorers Alliance Co. .. N 236

F

*Falcon Mines .. ME 280, FN 382, MF 413, ME 414
Falconbridge Nickel Mines .. N 331
Faraday Uranium Mines .. FN 382
Federation of Engineering Design Consultants .. .. R 540
Ferodo Ltd. .. .. .. A 372
Filani (Nigeria) Tin Mining Co. FN 192
Fodens .. .. M 338
Fraser & Chalmers .. A 151, 750
Freddies Consolidated Mines.. MF 89, Sups. Feb. 1 & May 3, MF 436, 532, ME 535
Freeport Sulphur Co. .. .. N 367
*Free State Development & Investment Co. .. ..
*Free State Geduld Mines .. MF 23, 26, 498, 729, Sups. Feb. 17 and May 3
Free State Saaiplaas Gold Mining Co. Sups. Feb. 1 & May 3 FN 192, A 212
French Overseas Mining Bureau N 144
Fresnillo.. .. .. FN 797
Frobisher Mining Corporation N 366
Frontino Gold Mines .. .. FN 62

G

Gaspe Copper Mines .. .. A 14
Geco Mines .. .. .. A 14
*Geduld Proprietary Mines .. Sups. Feb. 1 & May 3
*Geevor Tin Mines .. ..
Geita Gold Mining Co. .. FN 280
General Electric Co. .. A 151, M 215, A 492, M 660, A 750
*General Exploration O.F.S. .. MF 90
*General Mining Corporation
General Mining & Finance Corporation Sups. Feb. 1 & May 3, MF 697, 824, ME 826
General Radiological Ltd. .. M 243
General Tin Investments .. FN 382
*Ghana Main Reef .. .. MF 247, ME 250, A 657
*Ghana Selection Trust .. FN 159
Giant Yellowknife Gold Mines A 554
*Globe & Phoenix Gold Mines MF 729
*Gold and Base Metal Mines of Nigeria .. .. .. MF 20
Golden Horse Shoe (New) FN 308, 730
Goldfields Australian Development Co. .. .. ME 733
Goldfield Consolidated Mines Co. .. .. N 518
*Gold Mines of Kalgoorlie ..
Goodrich (B.F.) Industrial Products .. .. .. M 376
*Gopeng Consolidated ME 667, FN 763
*Government Gold Mining Areas .. Sups. Feb. 1 & May 3, MF 595
*Great Boulder Prop. Gold Mines .. .. .. FN 666
Grodzinski (P) .. .. .. OB 309
*Grootvlei Prop. Mines .. Sups. Feb. 1 & May 3
Gulf Oil Co. .. .. .. T 528

H

Hadfields Ltd. .. .. M 303, 376
Halkyn District United Mines FN 763
Hanna (M. A.) & Co. .. N 518
Hanna Nickel Smelting Co. .. N 76
*Harmony Gold Mining Co. Sups. Feb. 1 & May 3, FN 380, MF 498
Hart, Son & Co. .. .. FN 192
*Hartebeestfontein Gold Mining Co. .. .. .. MF 23, 89, 120, Sups. Feb. 1 & May 3, A 212
Harvey (G. A.) & Co. (London) A 559
Hausherr (Rudolf) & Sohne .. M 152
*H. E. Proprietary .. .. FN 797
Hendersons Transvaal Estates J 92, FN 730
Hibberd & Co. (F. C.) .. M 527
Hidden Splendor .. .. N 8
Hilger & Watts .. .. A 559
H.M. Stationery Office .. N 8, A 50, 298, R 467
*Hollinger Consolidated Gold Mines .. .. ..
Homestake Mining Co. .. N 8
*Hongkong Tin .. ..
Hopkins (J.) Press .. .. R 732
Horwich Smith & Co. .. M 243
Hub Ironworks Co. .. .. A 559
*Hudson Bay Mining & Smelting Co. .. .. A 14
Humphreys & Glasgow .. A 212
Hunting Aerosurveys .. .. N 653
Hunting Geophysics .. N 295, 653
Hutchinson (G. C.) .. .. OB 309

I

Idris Hydraulic Tin .. FN 159, 797
Imperial Chemical Industries A 48, 368 M 376, A 559, N 618
Indian Copper Corporation .. N 264
Industrial Distributors (1946).. A 146
Inistioge Mining Co. .. .. N 295
Institution of Civil Engineers .. N 366, 452
Institution of Mining & Metallurgy .. A 210, R 467, A 583
*International Nickel Co. of Canada .. A 14, N 76, FN 192, A 210, ME 331, FN 344, ME 538, N 553, A 584
International Tin Research Council .. .. .. N 47, 397
International Tin Study Group N 47
Inter-State Oil .. .. .. N 685
*Ipoh Tin Dredging .. ..
Iron Ore Co. of Canada .. A 184
Iscor—S. African Iron & Steel Corporation .. .. .. N 178
*Jantar Nigeria Co. .. .. ME 90
*Johannesburg Consolidated Investment Co. .. .. MF 89, Sups. Feb. 1 & May 3, MF 436, 796

J

Johnson, Matthey & Co. .. OB 337, MF 825
Johnson's Asbestos Co. .. A 110
*Jos Tin Area (Nigeria) .. ME 124
Joy Manufacturing Co. .. A 182
Joy-Sullivan Ltd. .. M 460, 755

K

*Kaduna Prospectors .. FN 121, 763
*Kaduna Syndicate .. FN 121, 763
Kaiser Aluminium & Chemical Corporation .. .. .. N 8
*Kamunting Tin Dredging ..
Kansanshi Copper Mining Co. MF 413
Kennedy-Van Saun Manufacturing Corpn. .. .. M 493
Kentan Gold Areas .. .. FN 280
Kent (F.M.S.) Tin Dredging .. FN 192
Kenting Aviation .. .. A 430
Kenworth Motor Truck Co. .. A 687
*Kepong Dredging Co. FN 121, 763
Kern Oil .. .. .. FN 192, 222
King Island Scheelite .. A 52, N 208
*Kinta Tin Mines .. .. FN 248, 825
Klerksdorp Consolidated Goldfields .. .. FN 128
Knapp & Bates.. .. .. M 755
*Konongo Gold Mines ME 500, A 658
Kyerwa Syndicate .. .. N 294

L

*Lake George Mining Corporation .. .. FN 128
*Lake View & Star .. .. FN 159
*Libanon Gold Sups. Feb. 1 & May 3
Liberia Mining Co. .. .. N 784
Link-Belt .. .. .. A 150
Loloma Gold Mines .. A 79, 108, N 208, 748
London Metal Exchange .. .. A 148, 178, N 519
*London Tin Corporation .. FN 280 MF 761, ME 767
*Loraine Gold Mines .. MF 23, ME 27
*Luipaards Vlei Estate .. Sups. Feb. 1 & May 3, MF 220
Luossvaara-Kiiruavaara A/B .. M 493
*Lydenburg Estates .. ..

M

McLeod (R.J.) (Contractors) .. A 721
McPhar Geophysics .. .. M 659
McPherson (Gilbert) A. .. OB 309
Magnesium Elektron .. .. M 692
Magundi Copper Mines & Minerals Co. .. .. .. MF 158, ME 162, A 266, MF 532
Malayan Tin Bureau of Washington .. .. .. A 214
*Malayan Tin Dredging ..
Marco Conveyor & Engineering Co. .. .. .. M 338
*Marievale Consolidated Mines Sups. Feb. 1 & May 3, MF 595
*Marlu Gold Mining Areas .. A 658
Marston Excelsior .. .. M 376
Mary Kathleen Uranium N 487, 716
Mason & Barry .. .. FN 697
Mawchi Mines .. .. .. FN 222
Mbeya Exploration Co. .. N 295
Merriespruit (O.F.S.) Gold Mining Co. Sups. Feb. 1 & May 3, A 212, MF 307, ME 669
Messina (Transvaal) Development Co. .. FN 62, 248, 308, MF 343, ME 345
Metal Detection .. .. M 659
Metallgesellschaft A. G. .. N 46
Metropolitan Vickers Co. .. A 405, M 723, N 785
*Mexican Eagles .. ..
*Middle Witwatersrand .. Sups. Feb. 1 & May 3, MF 696, ME 698, MF 824
Midlands Silicones .. .. T 406
Mineral Development Corporation .. .. N 178
Minerals Company .. .. N 486
Minerals Separation .. .. FN 344
Mine Safety Appliances Co. .. M 792
*Mining Corporation of Canada .. ..
Mining Corporation of Ireland N 178, 295, 487
Mining Engineering Co. .. A 111
Mining World .. .. .. R 671
Ministry of Fuel & Power .. M 460
Mobil Oil Co. .. .. .. R 466
Modderfontein East .. .. Sups. Feb. 1 & May 3
Mogul Mining Co .. N 295, 486
Morgan Crucible Co. .. .. T 589
*Motapa Gold Mining Co. .. FN 825
Mountain Copper Co... .. FN 825
*Mount Isa Mines .. N 144, 208, MF 467, N 685, N 716, FN 730
*Mount Morgan .. ..
Mufulira Copper Mines FN 24, 121, MF 192, A 299, MF 595
Murex .. .. .. N 652, M 692
*Mysore Gold Mining.. .. ..

N

Naraguta Tin Mines .. FN 30, 280, 382
Natal Coal Exploration .. FN 797
*Natal Navigation .. .. FN 796
National Bank of India .. ME 312, N 330
National Coal Board M 18, N 47, 77, M 114, A 180, M 339, N 453, A 458, 492, 624, M 626, M 660, N 812, 813
National Lead Co. .. .. T 820
Natomas .. .. N 518
*Nchanga Consolidated Copper Mines .. ..
Negev Phosphate Mining Co... N 716
*New Broken Hill Consolidated ME 732, MF 824
New Consolidated Gold Fields of S. Africa .. Sups. Feb. 1 & May 3, MF 191, N 294, FN 308
New Spring Coulee Mining Corporation .. .. .. N 295
*New Kleinfontein Co. ..
*New Klerksdorp Gold Estates Sups. Feb. 1 & May 3
Newmont Mines Corporation N 518
*New Pioneer Central Mining..
New Saza Mines .. .. N 294
New Vaal Farms .. .. FN 730
Nigerian Lead-Zinc Mining Co. N 652
*Noranda Mines .. A 14, 296
Nordberg Manufacturing Co... M 660
*North Broken Hill .. .. FN 30
*North Kalgurli .. .. M 338
North Kalgurli United .. FN 825
North Rankin Nickel Mines .. MF 467, A 554
Northspan Uranium Mines .. N 145
*Nundydroog Mines .. ..
Nykerk (B.J.) Corporation .. M 152

O

Oak Ridge National Laboratory U.S. .. .. T 406
O'Okiep Copper Co. .. .. FN 382
*Oregum Gold Mining Co. ..
Optima .. .. .. M 18, A 816
*Orange Free State Investment Trust .. .. FN 159, MF 307, 630, ME 636

P

*Pahang Cons .. .. .. FN 763
Pater Uranium Mines .. .. FN 763
Patino Mines & Enterprises .. FN 128
Pegson Ltd. .. .. M 460, 723
*Pengkalen .. .. .. ME 667, FN 763, 825
Perkins (F.) Ltd. .. .. M 243
*Petaling Tin .. .. FN 121, 308, MF 344, ME 349
Petroleos Mexecanos .. .. A 298
Phillips Petroleum Co... .. N 8
Photographic Survey Corporation .. .. A 430
Pittsburgh Consolidated Coal. Co. .. .. M 376
*Potgietersrust Platinums .. MF 59, DR 122
Premier (Transvaal) Diamond Mining Co. .. .. .. A 404
*President Brand Co. .. .. MF 23, ME 26, MF 89, Sups. Feb. 1 & May 3, MF 343
*President Steyn Co. .. .. MF 23, ME 29, MF 89, Sups. Feb. 1 & May 3
Priestman Brothers .. .. A 524
Priority Mining & Drilling Co. N 236, 486
Pronto Uranium Mines N 145, A 426
Puket Tin Dredging Co. .. FN 730
Pyrene Co. .. .. .. M 339

Q

Quebec Metallurgical Industries N 366
Quebec Lithium Co. .. .. A 14

R

Radiac Company Inc. .. M 459
*Rambutan Ltd. ME 124, FN 192
Ramunia Bauxite .. .. A 556
*Randfontein Estates Gold Mining .. .. .. MF 89, Sups. Feb. 1 & May 3, MF 436, 532, ME 533
Rand Leases (Vogelstruisfontein) Sups. Feb. 1 & May 3
*Rand Mines .. .. .. MF 796
*Rand Selection Corporation .. ME 250, FN 280
Rapid Magnetic Machines .. A 559
Rawang Concessions .. .. FN 159
Rawang Tin Fields .. .. FN 159
Rawlplug Co. .. .. .. A 559
Rem-Cru Titanium Inc. .. A 336
Republic Steel Corporation .. T 820
Rheinmetal Berlin Steel Co. .. T 528
*Rhodesian Anglo American
*Rhodesia Broken Hill Development .. FN 159, 564, ME 565
Rhodesian Iron & Steel Corporation .. .. .. A 430
*Rhodesia Katanga .. MF 220, 413, ME 600, FN 763
Rhodesia Railways Trust FN 62, 280
*Rhodesian Selection Trust .. MF 60, N 76, FN 121, MF 192, N 295, 365, N 399, MF 666
Rhodesian Selection Trust Exploration .. .. .. MF 595
*Rhokana Corporation .. FN 308
Riebeeck Gold Mining Co. .. Sups. Feb. 1 & May 3
Rietfontein Consolidated Gold Mines .. Sups. Feb. 1 & May 3
*Rio Tinto .. .. .. FN 192, N 236, A 296, MF 466, 497, ME 633, MF 666, FN 763
Rix-Athabasca Uranium Mines FN 763
*Roan Antelope Copper Mines FN 24, 121, MF 192, 595, 666
Roberts Construction Co. .. N 812
Robertshaw (M.F.) Ltd. .. M 114
*Robinson Deep .. .. Sups. Feb. 1 & May 3
Rocol Ltd. .. .. .. T 185
*Rose Deep Sups. Feb. 1 & May 3, FN 797
Rothschild (N.M.) & Co. .. N 652
Royal School of Mines N 106, 486
Royal Society of Arts .. .. A 718
Royce Electric Furnaces .. M 626
Rustenburg Platinum Mines .. ME 122
Ruston & Hornsby .. .. A 722
Ruston-Bucyrus .. .. A 52

S

Samar Mining Co. .. .. N 653
Sandviken Steel Works .. A 111
*San Francisco Mines of Mexico ME 161
Scottish Australian Mining Co. FN 382
*Selection Trust .. FN 121, 697, MF 796, FN 798, CN 800
Seltrust Investments Ltd. .. FN 797
Sharples Centrifuges .. .. M 302
*Shell Oil Co. .. .. .

Printed in England for the Mining Journal Ltd.
by Washburn, Southend.
August 9, 1957

	INIT.
CLASS.	
ACCESS 568(183)	MG
CAT. ENTRIES ADDN.	
AUTH.	
SUBJ.	
GEOG.	
TITLE S.L.	MG
INDEX	
LETT.	

Bnd. 11 APR 1960

INDEX

Supplement to **The Mining Journal**—March 7, 1958

The Mining Journal

INDEX

To VOLUME TWO-HUNDRED-AND-FORTY-NINE

JULY - DECEMBER 1957

INDEX CLASSIFICATION

Metals and Minerals - - - Page 1
Countries - - - - - Page 2
Men, Methods and Machines - - Page 4
Companies and other Public Bodies - Page 5

KEY TO CODE LETTERS

A	*Articles*	FN	*Financial News and Results*	MF	*Mining Finance*	Ob	*Obituaries*
CN	*Company Notices*	L	*Correspondence*	MR	*Mine Returns*	P	*Paragraph*
Div	*Dividends*	M	*Machinery and Equipment*	MT	*Metals, Minerals and Alloys*	R	*Reviews*
DR	*Directors' Reports*	ME	*Company Meetings*	N	*Notes and Comments*	T	*Technical Briefs*

Metals and Minerals

ALUMINIUM
Water requirements of the U.S. aluminium industry .. .. A 11
Alcan's new project .. .. A 12
India's mineral production .. N 77
All out of step but aluminium? N 129
Colombia goes nap on mining N 268
Aluminium production in Taiwan .. .. A 308
Exploitation of India's mineral resources .. .. .. A 512
Aluminium increases payload .. M 616
Recommendations for the testing of aluminium fusion welds and welders .. .. R 696
Joining copper to aluminium .. T 748
Reculer pour mieux sauter .. N 769
Reticular aluminium-tin in bearings .. .. .. T 778
(*See also* weekly notes under "Metals and Minerals")

ANTIMONY
Oh what a tangled (U.S.) web! N 7
Metals and minerals MT 113, 251, 343, 554
Minerals in the Franc zone .. N 453
Exploitation of India's mineral resources .. .. .. A 512

ARSENIC
Portugal .. .. .. N 244

ASBESTOS
More mining records for Cyprus A 245
Metals and minerals .. MT 251, 343
In search of prospective prospectors .. .. .. N 300
Mineral exploration in Tanganyika .. .. N 390
Mining progress in Venezuela .. A 425

BARITE
Oh, what a tangled (U.S.) web! N 7

BAUXITE
Minerals versus wool .. .. N 77
Metals and minerals MT 251, 402, 462, 490, 521
Colombia goes nap on mining N 267
Nationalizing Indian minerals N 300
Exploitation of India's mineral resources .. .. .. A 512

BERYLLIUM
Metals and minerals MT 170, 588, 619
Mineral finds in Somaliland .. N 217
Electro-deposition on beryllium T 367
Beryllium—an I.C.B.M. metal MT 619

BORAX
Metals and minerals MT 55, 85, 170, 619

BROMINE
Phosphates and potash in Israel N 510

CADMIUM
Minerals in the Franc zone .. N 453

CAESIUM
More metals of the future .. N 105

CEMENT
Boreholes in Britain .. .. N 216
Colombia goes nap on mining N 267

CHROME
New U.S. plating process T54
Metals and minerals MT 56, 113, 226, 462, 554, 719
Fatigue limit on plating .. T 138
More mining records for Cyprus A 245
Breaking the bottlenecks .. N 268
Minerals in the Franc zone .. N 453
Exploitation of India's mineral resources .. .. .. A 512

COAL—AFRICA
South African minerals policy .. N 75
Afrikander Proprietary's coalfields .. .. MF 87
Breaking the bottlenecks .. MF 268
South African coal projects .. N 269
South African coal mine returns, July-Sept. .. .. .. MR 630

COAL—THE AMERICAS
Pipe dreams that came true .. N 8
U.S. coal forecasts .. .. N 43
Expansion of Chile's coal output N 131
Colombia goes nap on mining .. N 267
Chile as a market for mining equipment .. .. .. A 397
Mining progress in Chile .. A 425
Canadian coal outlook .. N 481
Coal planers in U.S. modified longwall mining .. .. A 682
Viscosity in coal cleaning .. T 778

COAL—ASIA
India's mineral production .. N 77
Lignite in the Far East .. A 78
Korean coal plan .. .. N 105
Central coal preparation plant in India .. .. .. A 197
Mineral strikes in Pakistan .. N 217
Japanese coal strike ends .. N 645
Mining in Burma's development plan .. .. N 678

COAL—EUROPE
Coal Committee meets .. N 77
E.C.S.C.'s first five years .. N 159
Towards European integration A 160
The coal mining industry of Yugoslavia .. .. .. A 272
Soviet tunnelling machines .. A304
Hydraulic coal winning .. M487
Coal resources of the U.S.S.R. N 575
European coal prices .. .. N 609
Mining progress in the U.S.S.R. N 644
E.C.S.C. challenged .. .. N 741

COAL—GREAT BRITAIN
Coal resources of the United Kingdom .. .. .. A 222
Coal preparation plant .. M 223
Another record year for B.S.I. N 333
Surplus small coal .. .. N 391
Colliery methane for a gas board A 515
World coal reserves .. .. N 545
The second Coal Preparation Symposium .. .. .. A 546
Human behaviour in coal mines A 578
British coal mining developments .. .. A 614
Dense media separation .. M 616
Underground coal gasification in Britain .. .. .. A 646

COAL—VARIOUS
Developments in the world's coal mining industry .. A 13
World coal mining record .. A 46
Studies on coal dust explosions in mines .. .. .. A 135
World coal reserves .. .. N 545

COBALT
Oh, what a tangled (U.S.) web! N 7
Metals and minerals MT 113, 369
Minerals in the Franc zone .. N 453

COKE
Breaking the bottlenecks .. N 268
Improved design of centrifuge .. M 275

COLUMBITE
Malayan diary .. .. A 681

COLUMBIUM
Metals and minerals .. MT 170, 200
Mineral finds in Somaliland .. N 217

COPPER
Oh, what a tangled (U.S.) web! N 7
Enough to break your harp .. N 8
R.S.T.'s bold experiment .. N 41
Trends for copper .. .. N 42
Minerals versus wool .. .. N 77
India's mineral production .. N 77
Wage structure on the Copperbelt .. .. N 103
Copper prospects in Southern Rhodesia .. .. .. N 217
Deveopments in the Japanese mining industry .. .. A 218
More mining records for Cyprus N 245
How far can copper fall? .. N 299
Producers back their faith in copper .. .. .. N 332
Copper strikes back .. .. N 360
Climate of Australian mining .. A 362
Mineral exploration in Tanganyika .. .. N 390
Chile as a market for mining equipment .. .. .. A 396
Japan's search for minerals .. N 423
The story of Anaconda .. A 426
Pricing the world's copper output .. .. N 451
Difficulties of Australian copper mines .. .. N 452
Minerals in the Franc zone .. N 453
Copper profits and dividends .. MF 464
Copper in the Philippines .. A 486
Exploitation of India's mineral resources .. .. .. A 512
Indian mining leases .. .. N 545
Green light for Irish copper mines .. .. N 545
Tightening the Copper Belt .. N 607
Last year "down under" .. N 608
Have copper shares grounded? MF 621
Rum Jungle unveiled .. .. N 643
Outlook for Australian mining N 740
Joining copper to aluminium .. T 748
Reculer pour mieux sauter .. N 769
(*See also* weekly notes under "Metals and Minerals")

CORUNDUM
Corundum-sillimanite in South Africa .. .. .. N 216

DIAMONDS
Increased demand for gems .. MF 57
India's mineral production .. N 77
Hyderabad's diamond-bearing rocks .. .. N 192
Illicit diamond miners attack Sierra Leone Selection Trust MF 281
Mining progress in Venezuela .. A 425
Improved diamond sales .. MF 465
The shadow of man-made diamonds .. .. MF 491
Diamond production in Tanganyika .. .. .. N 577
Diamond drill handbook .. M 618
Mining progress in the U.S.S.R. N 644

FELSPAR
Oh, what a tangled (U.S.) web! N 7

FLUORSPAR
Oh, what a tangled (U.S.) web! N 7
Metals and minerals .. .. MT 56

GALENA
Mineral exploration in Tanganyika .. .. N 390

THE INSTITUTION OF MINING ENGINEERS

GARNET
Mineral exploration in Tanganyika .. .. N 390

GAS
Mining concessions in Pakistan N 77
Boreholes in Britain .. .. N 216
Improved design of centrifuge M 275
The cost of underground gas .. N 452
Colliery methane for a gas board A 515
Harnessing Canada's energy resources .. .. .. N 544
South American gas for U.K. .. N 711

GERMANIUM
Metals and minerals .. .. MT 619

GOLD—AUSTRALIA
A bounty for Australian gold producers? .. .. .. MF 57
Western Australia aids gold mining .. .. .. N 131
Climate of Australian mining.. A 362
Australian gold subsidies .. N 421

GOLD—CANADA
Self-help for Canadaian gold mines .. .. N 42
Canadian gold has lost its glitter N 331

GOLD—SOUTH AFRICA
Rand and O.F.S. monthly mine returns MR 25, 176, 318, 436, 590, 692
South African June gold output FN 58
Developing Western Deep Levels .. .. .. A 106
Building a reef wall in South Africa .. .. .. A 132
Asian 'flu in the Rand FN 143
Analysis of Rand and O.F.S. quarterlies. Sups. Aug. 2 and Nov. 1
The Orange Free State Gold field .. .. MF 203
Record South African gold production .. .. .. FN 229
Rand, Klerksdorp and O.F.S. gold and uranium producers MF 230
I.M.F. to study gold problem .. MF 253
Rand and O.F.S. August gold mine results .. .. .. MF 280
Young "Rands" still striding on MF 404
Rand and O.F.S. Mine results for October .. .. .. MF 556
South Africa "a good place for investment" .. .. .. MF 589
Rand, Klerksdorp and O.F.S. gold and uranium producers MF 691
Kaffir dividend season opens .. FN 692
Kaffir dividend season closes .. MF 780

GOLD—SOUTHERN RHODESIA
Southern Rhodesia's largest gold mine .. .. .. A 548
Mining methods of Cam and Motor.. .. .. .. A 580
Metallurgical practice at the Cam and Motor .. .. A 612

GOLD—WEST AFRICA
West African gold mine returns July-September .. .. MR 630

GOLD—VARIOUS
New Italian gold producer .. N 192
Developments in the Japanese mining industry .. .. A 218
Metals and minerals .. MT 251, 657
Colombia goes nap on mining N 267
Mineral exploration in Tanganyika .. .. N 390
Mining progress in Venezuela.. A 425

GRAPHITE
Metals and minerals .. MT 140, 369
Mineral exploration in Tanganyika .. .. N 390

GRAYITE
Britain's search for radioactive minerals.. .. .. N 390

GYPSUM
Boreholes in Britain .. .. N 216

HAEMATITE IRON
Portugal .. .. .. N 244

HAFNIUM
More metals of the future .. N 105

ILMENITE
Metals and minerals .. .. MT 113
Beach sands in Western Australia .. .. N 159
New minerals industry for Natal N 391
Minerals in the Franc zone .. N 453

INDIUM
Metals and minerals .. .. MT 278
Indium in industry .. .. A 339

IRON & STEEL—EUROPE
Iron ore in Bosnia .. .. N 423
Swedish government takes over Lapland mines .. .. A 514
Mining progress in the U.S.S.R. N 644

IRON & STEEL—GREAT BRITAIN
The mounting need for iron ore A 364
2,000 tons an hour .. .. M 429
On wings of iron .. .. N 481
Steel still expanding .. .. A 486
Britain's iron ore resources .. N 510
U.S. aid spent in Britain .. N 645

IRON & STEEL—NORTH AMERICA
The world needs more iron ore A 9
Stripping overburden by hydraulic dredges .. .. A 162
The changing pattern of steel production .. .. .. A 195
Handling of taconite pellets .. A 220
Canada's vast iron ore reserves N 269
New magnetic material .. T 615
Heat treating iron ore concentrates .. .. A 650

IRON & STEEL—VARIOUS
Iron in Venezuela .. .. N 43
The development of nodular iron .. .. T 54
Japan's search for minerals .. A 423
Mining progress in Venezuela.. A 425
Australia's search for iron ore.. N 480

KYANITE
Exploitation of India's mineral resources .. .. .. A 152

LEAD
Lead sheilding in mass-produced nuclear reactors .. T 138
Developments in the Japanese mining industry .. .. A 218
Lead bonus in Australia .. MF 228
Prospecting activities in Saskatchewan .. .. .. N 360
Minerals in the Franc zone .. N 453
Exploitation of India's mineral resources .. .. .. A 512
Indian mining leases .. .. N 545
Last year "down under" .. N 608
Horns of the U.S. lead-zinc dilemma .. .. .. N 677
Mining in Burma's development plan .. .. N 678
Outlook for Australian mining N 741
Reculer pour mieux sauter .. N 769
News uses for lead .. .. M 778
(*See also* weekly notes under "Metals and Minerals")

LIGNITE
India's mineral production .. N 77
Lignite in the Far East .. A 78
Further lignite resources of the Far East .. .. .. A 110
The Ptolemais lignite project .. N 192
Lignite process for India .. T 367
Progress of the Neyveli scheme N 645

LIMESTONE
Boreholes in Britain .. .. N 216
Colombia goes nap on mining N 267

MAGNESITE
Magnesite in India .. .. N 333
Indian mining leases .. .. N 545

MAGNESIUM
Metals and minerals MT 113, 251, 402, 489, 656, 719

MANGANESE
Oh, what a tangled (U.S.) web! N 7
South African minerals policy.. N 75
Percolation for treating manganese ores .. .. .. T 84
Metals and minerals MT 140, 200, 226, 688, 779
Portugal .. .. .. N 244
Breaking the bottlenecks .. N 268
Nationalizing Indian minerals N 300
Egyptian mining projects .. N 301
Another record year for B.S.I. N 333
Mining progress in Venezuela.. A 425
Minerals in the Franc zone .. N 453
Exploitation of India's mineral resources .. .. .. A 512
Priority for Indian manganese mines .. .. N 711

MARBLE
Mineral strikes in Pakistan .. N 217

MICA
Oh, what a tangled (U.S.) web! N 7
Another record year for B.S.I. M 333
Mineral exploration in Tanganyika .. .. N 390
Metals and minerals .. .. MT 656

MOLYBDENUM
World resources of molybdenum and its uses .. .. A 247
Mining and usage of molybdenum .. .. A 274
Metals and minerals MT 278, 587, 719
Protection of molybdenum .. T 615
Molybdenum for Rio Tinto? .. FN 660

MONAZITE
Britain's search for radioactive minerals .. .. .. N 390
Mining rare metals in Namaqualand A395

NEPHELINE SYENITE
Screening nepheline syenite .. A 339

NICKEL
Nickel in the oil industry .. T 84
Fatigue limit on plating .. T 138
Colombia goes nap on mining N 267
Export opportunities in Canada N 332
Operation of the Surigao mineral reservation .. .. A 336
Mining progress in Venezuela A 425
Minerals in the Franc zone .. N 453
Nickel on the threshold of a new era .. .. N 478
The Riddle nickel deposit, U.S. A 582
Reculer pour mieux sauter .. N 770

NIOBIUM
Metals and minerals .. MT 432, 489

NITRATE
Chile as a market for mining equipment .. .. .. A 396

OIL
Mining concessions in Pakistan N 776
Nickel in the oil industries .. T 84
Boreholes in Britain .. .. N 216
Colombia goes nap on mining N 268
Egyptian mining projects .. N 301
We can sell more to Canada .. N 389
Last year "down under" .. N 608
Mining progress in the U.S.S.R. N 644

PHOSPHATES
Mining progress in Venezuela A 425
Phosphates and potash in Israel N 510

PLATINUM
Metals and minerals MT 85, 402, 432, 688, 719
All out of step but aluminium? N 129
Whither platinum? .. .. N 157
Colombia goes nap on mining N 268
Polygon-shaped crucibles .. M 519
Too much platinum .. .. MF 753
Reculer pour mieux sauter .. N 770

POTASH
Potash in Saskatchewan .. A 108
Phosphates and potash in Israel N 510

PYRITES
Portugal .. .. .. N 244
Mining progress in Venezuela.. A 425

QUICKSILVER
Metals and minerals MT 56, 139, 342, 432, 521
Mercury in Yugoslavia A 246

RHENIUM
More metals of the future .. N 105

RUBIDIUM
More metals of the future .. N 105

RUTILE
Metals and minerals .. .. MT 170
The prospects for rutile .. A 586
Climate of Australian mining.. A 362
New minerals industry for Natal N 391
Last year "down under" .. N 608

SILLIMANITE
Corundum-sillimanite in South Africa .. .. .. N 216

SILVER
Metals and minerals MT 170, 342, 521, 619, 719
Developments in the Japanese mining industry .. .. A 218
Colombia goes nap on mining N 268
Mining in Burma's development plan .. .. N 678
Outlook for Australian mining N 714

SULPHUR
Sulphur and its production .. A 48
Developments in the Japanese mining industry .. .. A 218
More mining records for Cyprus A 245
Colombia goes nap on mining N 267
Indian mining leases .. .. N 545
New continuous sulphur removal process .. .. T 615
Outlook for Australian mining N 741

TACONITE
Handling of taconite pellets .. A 220
New pelletizing process .. T 367

THORIUM
Britain's search for radioactive minerals .. .. .. N 390
Metals and minerals .. .. MT 402
Recovery of uranium and thorium .. .. .. A 424

TIN
Second thoughts in Bolivia .. N 76
Tin—an old metal with a bright future .. .. A 80
Tin's comfortable future .. N 158
Mineral finds in Somaliland .. N 217
Quarterly tin mine returns MR 232, 492
Malaya—a constitutional monarchy .. .. N 243
Portugal .. .. .. N 244
Japan's search for minerals .. N 423
The position of Australian tin N 482
Difficult questions for the I.T.C. N 509
Malayan tin under the microscope .. .. A 610
Mining in Burma's development plan .. .. N 677
Malayan diary .. .. .. A 681
Tin with the lid on .. .. N 709
Outlook for Australian mining N 740
Mining tin .. .. .. R 758
(*See also* weekly notes under "Metals and Minerals")

TITANIUM
Beach sands in Western Australia .. .. N 158
Metals and minerals MT 368, 521, 779
Mineral exploration in Tanganyika .. .. N 390
Reculer pour mieux sauter .. R 770

TUNGSTEN
Metals and minerals MT 170, 278, 619, 751
Plight of Portugal's tungsten mines .. .. N 244
Mining in Burma's development plan .. .. N 678

URANIUM
Progress at Radium Hill .. A 44
Bavaria's nuclear materials .. A 133
Metals and minerals MT 200, 278, 522, 554, 719
Rand, Klerksdorp and O.F.S. gold and uranium producers MF 230
Climate of Australian mining.. A 362
Britain's search for radioactive minerals .. .. .. N 390
Sweden's atomic energy programme .. .. .. N 423
Recovery of uranium and thorium .. .. .. A 424
Opencut mining for uranium in New Mexico .. .. .. A 485
Rum Jungle unveiled .. .. N 643
Uranium in South Africa, 1946-1956 .. .. A 645
Reculer pour mieux sauter .. N 770

WOLFRAM
Metals and minerals MT 139, 251, 554
Mining in Burma's development plan .. .. N 678

ZINC
Minerals versus wool .. .. N 77
Zinc production in a blast furnace .. .. .. A 163
Theory of blast furnace zinc production .. .. .. A 193
Developments in the Japanese mining industry .. .. A 218
Egyptian mining projects .. N 301
Prospecting activities in Saskatchewan .. .. .. N 360
British Colombia and the Yukon by air .. .. A 361
Minerals in the Franc zone .. N 453
Last year "down under" .. N 608
Horns of the U.S. lead-zinc dilemma .. .. .. N 677
Mining in Burma's development plan .. .. N 678
(*See alo* weekly notes under "Metals and Alloys")

ZIRCON
New minerals industry for Natal N 391

ZIRCONIUM
More metals of the future .. N 105
Metals and Minerals MT 41, 200, 779

Countries

AFGHANISTAN
Lignite in the Far East .. A 78

AUSTRALIA
Progress at Radium Hill .. A 44
Minerals versus wool .. .. N 77
Western Australia aids gold mining .. .. .. N 131
Beach sands in Western Australia .. .. N 159
The lead bonus in Australia .. M 228
Beating the sun .. .. N 267
Climate of Australian mining.. A 362
Britain's search for radioactive minerals .. .. .. N 390
Australian gold subsidies .. N 421
Mining Review .. .. R 439
Difficulties of Australian copper mines .. .. N 452
Australia's search for iron ore N 480

The position of Australian tin A 482
Last year "down under" .. N 608
Rum Jungle unveiled .. .. N 643
Geophysical investigation of deep leads .. .. .. R 664
Outlook for Australian mining N 740

BELGIAN CONGO
Kouilou power project .. MT 688
Tin with the lid on .. .. N 710
Reculer pour mieux sauter .. N 770

BOLIVIA
Second thoughts in Bolivia .. N 76
Consolidated Tin Smelters and Bolivia .. .. .. MF 172
Horns of U.S. dilemma .. N 677
Tin with the lid on .. .. N 710

BURMA
Lignite in the Far East .. A 78
Minerals policy in Burma .. N 511
Mining in Burma's development plan .. .. N 678

CAMEROONS
Aluminium in French Africa .. A 517
Reculer pour mieux sauter .. N 770

CANADA
Alcan's new project .. .. A 12
Self-help for Canadian gold mines .. .. N 42
Sulphur and its production .. A 48
Review of mining taxation in Canada .. .. .. A 81
Canadian mining on view .. N 104
Potash in Saskatchewan .. A 108
Role of the St. Lawrence Seaway N 130
Canadian Mines Handbook .. R 231
World resources of molybdenum and its uses .. .. A 247
Canada's vast iron ore reserves N 267
U.K. mining equipment for Canada .. .. .. M 309
Canadian gold has lost its glitter .. .. N 331
Export opportunities in Canada N 332
Mining in Canada .. .. A 334
Copper strikes back .. .. N 360
British Columbia and the Yukon by air .. .. A 361
We can sell more to Canada .. N 389
Congress delegates at the Blind River and Sudbury .. .. A 458
Pushing back the ice age .. N 480
Canadian coal outlook .. N 481
Harnessing Canada's energy resources .. .. .. N 544
World coal reserves .. .. N 545
Verdict on Canada's Congress N 575
Mining laws of Canada .. R 594
Minerals, Canada and the world R 594
A great export market .. N 608
Power and population .. R 664
Now it's up to Britain .. N 739
Mine hoisting in Canada .. A 742
Reculer pour mieux sauter .. N 770

CENTRAL AFRICAN FEDERATION
Breaking the bottlenecks .. N 268
Britain's search for radioactive minerals .. .. .. N 390

CHILE
Expansion of Chile's coal output .. .. N 131
World resources of molybdenum and its uses .. .. A 247
Producers back their faith in copper .. .. .. A 386
Chile as a market for mining equipment .. .. .. A 396
Japan's search for minerals .. N 423

CHINA
Lignite in the Far East .. A 78
Aluminium production in Taiwan .. .. N 332
World coal reserves .. .. N 545

COLOMBIA
Colombia goes nap on mining N 267

CYPRUS
More mining records for Cyprus A 245

CZECHOSLOVAKIA
Sulphur and its production .. A 48
Underground safety is international .. .. .. M 341

DENMARK
Danish conveyor belting .. M 198

EAST AFRICA
Mineral finds in Somaliland .. N 217

EIRE
Enough to break your harp .. N 8
Signalling key works—after 26 years under water .. .. M 111
Green light for Irish copper mines .. .. N 545

EGYPT
Egyptian mining projects .. N 301

FRANCE
The world needs more iron ore A 9
Towards European integration A 160
Floating exchange rates .. N 191
Minerals in the Franc zone .. N 453
European coal prices .. .. N 609
Reculer pour mieux sauter .. N 770

FRENCH AFRICA
Aluminium in French Africa .. A 516
Reculer pour mieux sauter .. N 77

GERMANY
The world needs more iron ore A 9
Bavaria's nuclear materials .. A 133
Floating exchange rates .. N 191
Sonic sifting machines .. M 198
Light weight roof supports .. M 310
Steel still expanding .. .. A 486
E.C.S.C. challenged .. .. N 741

GHANA
Breaking the bottlenecks .. N 268
Placing stone in Ghana .. A 304
Tax relief for "West Africans" MF 659
Payroll accounting at Ariston Gold Mines, Ghana .. A 712
Ghana mineral profits tax bill postponed .. .. .. MF 721

GREECE
The Ptolemais lignite project .. N 192

GREENLAND
Pushing back the ice age .. N 480

HONG KONG
Japan's search for minerals .. N 423

HUNGARY
Developments in the world's coal mining industry .. A 13

INDIA
India's mineral production .. N 77
Lignite in the Far East .. A 78
Hyderabad's diamond-bearing rocks .. .. N 192
Central coal preparation plant in India .. .. .. A 197
Breaking the bottlenecks .. N 268
Nationalizing Indian minerals N 300
Magnesite in India .. .. N 332
Lignite process for India .. T 367
Exploitation of India's mineral resources .. .. .. A 512
Indian mining leases .. .. N 545
World coal reserves .. .. N 545
Progress of the Neyveli scheme N 645
India's changing mineral policy N 679
Priority for Indian manganese mines .. .. N 712
Memoirs, Petrology of Indian coals, etc. .. .. .. R 784

INDONESIA
Lignite in the Far East .. A 78
Tin with the lid on .. .. N 710

ISRAEL
Phosphates and potash in Israel N 510

ITALY
New Italian gold producer .. N 192

JAPAN
Further lignite resources of the Far East .. .. .. A 110
Developments in the Japanese mining industry .. .. A 218
Japan's search for minerals .. N 422
Japanese coal strike ends .. N 645

KOREA
Korean coal plan .. .. N 105
Further lignite resources of the Far East .. .. .. A 110

MALAYA
Export tax under fire .. .. FN 58
Lignite in the Far East .. A 78
Tin's comfortable future .. N 158
Quarterly tin mine returns MR 232, 492
Malaya—a constitutional monarchy .. .. N 243
Quarry equipment in Malaya .. A 337
Malayan tin under the microscope .. .. A 610
Malayan diary .. .. .. A 681
Tin with the lid on .. .. N 710

MEXICO
Sulphur and its production .. A 48
World resources of molybdenum and its uses .. .. A 247
"Economic aid" for Mazapil .. MF 281

MOROCCO
Minerals in the Franc zone .. N 453

NAMAQUALAND
Mining rare metals in Namaqualand .. .. .. A 394

NEW CALEDONIA
Minerals in the Franc zone .. N 453

NIGERIA
Quarterly tin mine returns MR 232, 492
Britain's search for radioactive minerals .. .. .. N 391
Tin with the lid on .. .. N 710
Economic and commercial conditions in Nigeria .. .. R 784

NORTHERN RHODESIA
What's what on the Copperbelt FN 21
R.S.T.'s bold experiment .. N 41
Trends for copper .. .. N 42
Wage structure on the Copperbelt .. .. N 103
Tightening the Copper Belt .. N 606

NORWAY
Sulphur and its production .. A 48
World resources of molybdenum and its uses A247

NYASALAND
Britain's search for radioactive minerals .. .. .. N 390

PAKISTAN
Pakistan's search for minerals N 43
Mining concession in Pakistan N 77
Further lignite resources of the Far East .. .. .. A 110
Mineral strikes in Pakistan .. N 217

PERU
Horns of U.S. lead-Zinc dilemma N 677

PHILIPPINES
Further lignite resources of the Far East .. .. .. A 110
Operation of the Surigao mineral reservation .. .. A 336
Copper in the Philippines .. A 486

POLAND
Hydraulic coal winning .. M 487
World coal reserves .. .. N 545

PORTUGAL
Plight of Portugal's tungsten mines .. .. N 244

SILICY
Sulphur and its production .. A 48

SIERRA LEONE
Illicit diamond miners attack Sierra Leone Selection Trust MF 281

SOUTH AFRICA
Rand and O.F.S. monthly mine returns MR 25, 176, 318, 436, 590, 692
South African June gold output FN 58
South African minerals policy N 75
Developing Western Deep Levels .. .. .. A 106
Building a reef wall in South Africa .. .. .. A 132
Analysis of Rand and O.F.S. Quarterlies .. Aug. 2 and Nov. 1
Whither platinum? .. .. N 158
The Orange Free State Goldfield .. .. MF 203
South Africa's climate of investment .. .. .. N 215
Corundum-sillimanite in South Africa .. .. .. N 216
I.M.F. to study gold problem .. MF 253
Breaking the bottlenecks .. N 268
South African coal prospects .. N 267
Rand and O.F.S. August gold mines .. .. MF 280
New minerals industry for Natal N 391
De-mineralization of mine water N 453
Rand and O.F.S. gold mine returns for October .. .. MF 556
South Africa "a great place for investment" .. .. .. MF 589
Uranium in South Africa, 1946-1956 .. .. A 648
Sir Ernest Oppenheimer .. OB 651
No easy decision .. .. N 679
Rand, Klerksdorp and O.F.S. gold and uranium producers MF 691
Kaffir dividend season opens .. MF 692
Reculer pour mieux sauter .. N 770
Kaffir dividend season closes .. MF 780

SOUTHERN RHODESIA
Copper prospects in Southern Rhodesia .. .. .. N 217
New Rhodesian dumper .. M 223
In search of prospective prospectors .. .. .. N 300
Britain's search for radioactive minerals .. .. .. N 390
Spend money to find money .. M 400
Southern Rhodesia's largest gold mine .. .. .. A 548
Mining methods at Cam and Motor .. .. A 580
Metallurgical practice at the Cam and Motor .. .. A 612
The Geology of the country between Belingwe and West Nicholson .. .. .. R 784

SWEDEN
The world needs more iron ore A 9
Ore prospecting method .. T 367
Advances in mineral dressing .. A 393
Sweden's atomic energy programme .. .. .. N 423
Swedish government takes over Lapland mines .. .. A 514

TANGANYIKA
Mineral exploration in Tanganyika .. .. .. N 390, 422
Diamond production in Tanganyika .. .. .. N 577
Records of Geological Survey of Tanganyika .. .. R 784

TASMANIA
A lexicon of the Stratigraphy of Tasmania .. .. .. R 784

THAILAND
Further lignite resources of the Far East .. .. .. A 110
Thailand's new mining bill .. N 269
Japan's search for minerals .. N 423
Tin with the lid on .. .. N 710

TUNISIA
Minerals in the Franc zone .. N 453

TURKEY
Breaking the bottlenecks .. N 268

UGANDA
Hydro-electric plant at Kilembe Mines, Uganda .. .. A 484

U.S.A.
Oh, what a tangled (U.S.) web! N 7
The world needs more iron ore N 9
Water requirements of the U.S. aluminium industry .. .. A 11
U.S. coal forecasts .. .. N 43
Sulphur and its production .. A 48
Fall in barter contracts .. MT 55
U.S. metal allotments .. .. MT 55
All out of step but aluminium? N 129
Studies of coal dust explosions in mines .. .. .. A 135
The changing pattern of steel production .. .. .. N 193
Yearbook of the American Bureau of Metal Statistics .. R 231
World resources of molybdenum and its uses .. .. A 247
British product wins American award .. .. .. N 301
U.S. mining industry is warned N 301
Awards for marketing .. MT 368
The story of Anaconda .. A 426
Geology of the Area East and South-east of Livingston .. R 439
Nickel on the threshold of a new era .. .. N 479
Opencut mining for uranium in New Mexico .. .. .. A 485
Stereoscopic plotting in photogeologic studies .. .. M 487
U.S. stockpile review .. .. MT 489
Does the little dog laugh? .. N 543
World coal reserves .. .. N 545
The Riddle nickel deposit, U.S. A 582
Metals run on four wheels .. MT 619
U.S. aid spent in Britain .. N 645
Horns of the U.S. lead-zinc dilemma .. .. .. N 677
Coal planers in U.S. modified longwall mining .. .. A 683
Metal brainpower pool .. N 710

U.S.S.R.
Tin's comfortable future .. N 158
Soviet tunnelling machines .. A 304
Pushing back the ice age .. N 480
Does the little dog laugh? .. N 543
World coal reserves .. .. N 545
Coal resources of the U.S.S.R. N 577
Mining progress in the U.S.S.R. N 644

VENEZUELA
Iron in Venezuela .. .. N 43
Mining progress in Venezuela A 425
South American gas for U.K. .. N 711

YUGOSLAVIA
Mercury in Yugoslavia .. A 246
The coal mining industry of Yugoslavia .. .. .. A 272
Iron ore in Bosnia .. .. N 422

Men, Methods and Machines

AIR SURVEY
Prospecting activities in Saskatchewan .. N 360
British Columbia and the Yukon by air .. A 361
Modern mineral prospecting techniques .. A 365
Britain's search for radioactive minerals .. N 390
Mineral exploration in Tanganyika .. N 422
Stereoscopic plotting in photogeologic studies .. M 487
Minerals policy in Burma .. N 511
Colonial Geological Surveys 1947-56 .. N 576

AIR TRANSPORTATION
British Columbia and the Yukon by air .. A 361

ATOMIC ENERGY
Bavaria's nuclear materials .. A 133
Engineering, Marine, Welding and Nuclear Energy Exhibition .. A 249
Lubricants for nuclear power stations .. A 302
Britain's search for radioactive minerals .. N 390
Sweden's atomic energy programme .. N 423
Metals at the Atomic Fair .. MT 554
Welding for nuclear energy .. T 615

BOILERS AND FURNACES
Zinc production in a blast furnace .. A 163
Theory of blast furnace zinc production .. A 193
Thermocouple-calibrating furnace .. M 223

COAL TECHNOLOGY
Central coal preparation plant in India .. A 196
Coal preparation plant .. M 223
Colliery methane for a gas board .. A 515
The second coal preparation symposium .. A 546
Underground coal gasification in Britain .. A 646
Viscosity in coal cleaning .. T 778

COMPRESSORS
The Engineering, Marine, Welding and Nuclear Energy Exhibition .. A 249
A Guide to Valve Practice .. R 439
Advice on compressed air .. M 459

DREDGING AND EXCAVATING
Malayan tin under the microscope .. A 610
Malayan diary .. A 681

DRILLING
In a new guise .. M 53
Lubricating air drills .. M 167
Lightweight rock drill .. M 198
Dust problems in open pit and underground mines .. A 306
A portable drilling outfit .. M 309
Mining in Canada .. A 334
Climate of Australian mining .. A 362
Diamond drill handbook .. R 618
Underground coal gasification in Britain .. A 646
A French drill for British oil .. M 747

EDUCATION AND TRAINING
Illustration and literature .. M 401
Unesco Inventories .. R 565

ELECTRIC EQUIPMENT
Heat by the yard .. M 53
The Engineering, Marine, Welding and Nuclear Energy Exhibition .. A 249
Further exhibiton highlights .. M 310
Another record year for B.S.I. .. N 333
Electrically driven quarry plant .. A 549
New relay cases .. M 551
Rail-mounted crane .. M 586
British coal mining developments .. A 614
New magnetic material .. T 615
Weatherproof junction box .. M 717
Electricity for the mining industry .. A 746

EXCAVATORS
The world's largest walking dragline .. A 108
New Rhodesian dumper .. M 223
Quarry equipment in Malaya .. A 337
New minerals industry for Natal .. N 391
A universal excavator .. M 616
Modern techniques of excavation .. R 618
Progress of the Neyveli scheme .. N 645

EXHIBITIONS AND CONFERENCES
British Plastics Exhibition and Convention .. M 53
British Geon at Olympia .. T 84
Canadian mining on view .. N 104
Engineering, Marine, Welding and Nuclear Energy Exhibition .. A 249
Further Exhibiton highlights .. M 310
Sixth Commonwealth Mining and Metallurgical Congress .. A 361
Awards for marketing .. T 368
Further aspects of the International Mineral Congress .. A 428
Congress delegates at Blind River and Sudbury .. A 458
The second coal preparation symposium .. A 546
Verdict on Canada's Congress .. N 575

EXPLOSIVES
Detecting unexploded dynamite charges .. T 54
Pulsed infusion shotfiring .. A 107

GEOLOGY AND ORE DEPOSITS
Sulphur and its production .. A 48
Lignite in the Far East .. A 78
Boreholes in Britain .. N 216
Corundum-sillimanite in South Africa .. N 216
Mineral finds in Somaliland .. N 217
Copper prospects in Southern Rhodesia .. N 217
Coal resources of the United Kingdom .. A 222
Bulletin of Geological Survey of Britain .. R 231
Guide to the Geological column .. R 231
World resources of molybdenum and its uses .. A 247
Canada's vast ore reserves .. N 269
Indium in industry .. A 338
A walking magnetometer .. M 341
Modern mineral prospecting techniques .. A 365
Mining rare metals in Namaqualand .. A 394
Mineral exploration in Tanganyika .. N 429
Geology of the Area East and South-East of Livingston .. R 439
Stereoscopic plotting photogeologic studies .. M 487
Phosphates and potash in Israel .. 510
Britain's iron ore resources .. N 510
Geology of the country around Sheffield .. R 526
Southern Rhodesia's largest coal mine .. A 548
Colonial Geological Surveys 1947-56 .. N 576
The Riddle nickel deposit, U.S. .. A 582
The sedimentary petrology of the Missassagi Quartzite in the Blind River area .. R 696
The Geology of the country between Belingwe and West Nicholson .. R 784

HEALTH, SAFETY AND WELFARE
Developments in the world's coal mining industry .. A 13
Detecting unexploded dynamite charges .. T 54
Studies on coal dust explosions in mines .. A 135
Lead shielding in mass-produced nuclear reactors .. T 138
Fire fighting equipment .. T 198
Dust problems in open pit and underground mines .. A 306
Another record year for B.S.I. .. N 333
Underground safety is international .. M 341
Improved hoist controls .. M 401
Bureau of Mines Approval System for respiratory Protective Devices .. R 439
Pneumoconiosis .. R 439
Automatic conveyor cut-off .. M 459
Foam in fighting coal-mine fires .. T 525
Human behaviour in coal mines .. A 578
Air-borne dust pollution .. M 585
British coal mining developments .. A 614
Dual purpose water sterilizer .. M 653
Full-shift dust exposure in some bituminous coal mines .. R 696
Punched cards in the mining industry .. A 680
Payroll Accounting at Ariston G.M., Ghana .. A 712
Punched card systems in U.K. mining investigations .. A 744
Keeping an eye on safety .. M 717
The Law relating to Safety and Health, Vol. III, Miscellaneous Mines .. R 784
Portable Winding at Mines .. A 716

LABOUR
R.S.T.'s bold experiment .. N 41
Wage structure on the Copperbelt .. N 102
R.S.T. Employees share scheme .. MF 281
Human behaviour in coal mines .. A 578
Japanese coal strike ends .. N 645
Punched cards in the mining industry .. A 680
Payroll accounting at Ariston G.M., Ghana .. A 712
Punched card systems in U.K. mining investigations .. A 744

LIGHTING
Another record year for B.S.I. .. N 333
Revised British Standards .. M 518

LUBRICATION AND ANTI-CORROSION
Single line grease injector system .. M 17
Crane lubrication .. M 166
Lubricating air drills .. M 167
Lubricants for nuclear power stations .. A 302
New load-resisting lubricant .. T 367
A new special lubricant .. T 525
Wakefield Lubrication speeds production .. R 565
New lubrication pumps .. M 652

MECHANICAL HANDLING
Guiding conveyor belts .. M 52
Removal of steam winder .. M 111
From ceramics to mining machinery .. A 136
Multi-purpose track maintenance equipment .. M 166
Winding at Manvers Main .. M 167
Sonic sifting machines .. M 198
Danish conveyor belting .. M 198
Britain's largest tyre .. M 275
British product wins American award .. N 301
Lightweight roof supports .. M 310
Further exhibition highlights .. A 310
New conveyor belt .. M 400
Cleaning equipment components .. M 429
New front-end loader .. M 459
Automatic conveyor cut-off .. M 459
1,000th British Drott .. M 487
Matched tractor equipment .. M 518
Mine car turntables .. M 518
Plate feeder belts .. M 551
Joy-stick control on crawler .. M 551
A lowbowl scraper .. M 585
Aluminium increases payload .. M 616
Plastics in new wire ropes .. M 652
New plant speeds quarry production .. M 685

METALLURGY
The development of nodular iron .. T 54
New U.S. plating process .. T 54
Tin—an old metal with a bright future .. A 80
Fatigue limit on plating .. T 138
Zinc production in a blast furnace .. A 163
Theory of blast furnace zinc production .. A 193
World resources of molybdenum and its uses .. A 247
Further exhibition highlights .. M 310
Indium in industry .. A 338
Electro-deposition of beryllium .. T 367
Steel still expanding .. A 486
Metallurgical practice at Cam and Motor .. A 612
New continuous sulphur removal process .. T 615
Protection of molybdenum .. T 615
Cascade sample divider .. M 685
Electrostatic precipitation in the metallurgical industries .. A 714
Time-saving methods in modern smelteries .. A 772
Reticular aluminium-tin in bearings .. T 778

MINING AND EXTRACTION
Developments in the world's coal mining industry .. A 13
Progress at Radium Hill .. A 44
World coal mining record .. A 46
Developing Western Deep Levels .. A 106
Washing quarried materials .. M 111
Mine surface structures .. M 111
Western Australia aids gold mining .. N 131
Building a reef wall in South Africa .. A 132
Stripping overburden by hydraulic dredges .. A 162
A wire rope cutter .. M 167
Developments in the Japanese mining industry .. A 218
Coal resources of the United Kingdom .. A 222
More mining records for Cyprus .. A 245
Pipes for conveying water, liquors and gases .. A 270
Mining and usage of molybdenum .. A 274
Soviet tunnelling machines .. A 304
Mining equipment for Canada .. M 309
Lightweight roof supports .. M 310
Mining in Canada .. A 334
Climate of Australian mining .. A 362
Mining rare metals in Namaqualand .. A 394
The story of Anaconda .. A 426
Master-hone operations .. M 429
De-mineralization of mine water .. N 453
The place of the tractor-shovel in today's mine .. A 456
Congress delegates at Blind River and Sudbury .. A 458
Automatic conveyor cut-off .. A 459
Orders for mine winders .. M 460
Opencut mining for uranium in New Mexico .. A 485
1000th British Drott .. M 487
Resilient piping combats mined soil subsidence .. M 518
Indian mining leases .. N 545
Southern Rhodesia's largest coal mine .. A 548
Scaffold indicator for shaft sinking .. M 551
Mining methods at Cam and Motor .. A 580
The Riddle nickel deposit, U.S. .. A 582
Air motor powers transit cars .. M 585
Malayan tin under the microscope .. A 610
British coal mining developments .. A 614
A new tractor and scraper .. M 652
Overloaders with torque convertor transmission .. M 653
Coal planers in U.S. modified longwall mining .. A 682
Portable winding at mines .. A 716
Automatic tub retarder .. M 717
The Euclid C-6 crawler tractor .. M 717
Mine hoisting in Canada .. A 742

MINE COMMUNICATIONS
Signalling key works—after 26 years under water .. M 111
A new mine telephone .. M 166

ORE TREATMENT
Progress at Radium Hill .. A 44
Sulphur and its production .. A 48
From ceramics to mining machinery .. A 136
The changing pattern of steel production .. A 195
A new magnetic separator .. M 198
Developments in the Japanese mining industry .. A 218
Handling of taconite pellets .. A 220
World resources of molybdenum and its uses .. A 247
Laboratory jaw crushers .. M 275
Aluminium production in Taiwan .. A 308
Heavy-media separation .. M 309
Screening nepheline syenite .. A 339
New pelletizing process .. T 367
Advances in mineral dressing .. A 393
Wet reagent feeder .. M 401
Recovery of uranium and thorium .. A 424
Separation and concentration of minerals .. A 428
Theory and practice of flotation .. A 454
Opencut mining for uranium in New Mexico .. A 485
The Riddle nickel deposit .. A 582
Fine grinding mills .. M 586
Dense media seaparation .. M 616
Heat treating iron ore concentrates .. A 650

PLASTICS
Wide scope of plastics .. M 53
British Geon at Olympia .. T 84
British Plastics Exhibition .. T 84
New conveyor belt .. M 400
The Industrial Activities of the Distillers Co. .. R 526

POLITICS AND ECONOMICS
South African Minerals policy .. N 75
E.C.S.C.'s first five years .. N 159
Towards European integration .. A 160
Floating exchange rates .. N 191
South Africa's climate of investment .. N 215
Malaya—a constitutional monarchy .. N 242
Colombia goes nap on mining .. N 267
Operation of the Surigao Mineral Reservation .. A 336
The price of a strong £ .. N 359
Spend money to find money .. M 400
Australian gold subsidies .. N 421
O.T.C. tax concessions .. MF 465
Difficult questions for the I.T.C. .. N 509
U.S. aid spent in Britain .. N 644
Malayan Diary .. A 682
Reculer pour mieux sauter .. N 769

POWER PLANTS
Water requirements of the U.S. aluminium industry .. A 11
Alcan's new project .. A 12
The Ptolemais lignite project .. N 192
Hydro-electric plant at Kilembe Mines, Uganda .. A 484

Harnessing Canada's energy resources .. .. .. N 544
Mining methods at Cam and Motor.. .. .. .. A 580
Koulou power project .. MT 688

PROSPECTING
Pakistan's search for minerals.. N 43
India's mineral production .. N 77
Mineral-exploration aid .. T 138
Hyderabad's diamond bearing rocks .. .. N 192
Boreholes in Britain .. .. N 216
Mineral finds in Somaliland .. N 217
Mineral strikes in Pakistan .. N 217
Copper prospects in Southern Rhodesia .. .. .. N 217
In search of prospective prospectors .. .. .. N 300
Operation of the Surigao mineral reservation .. .. A 336
A walking magnetometer .. M 341
Prospecting activities in Saskatchewan .. .. .. N 360
Modern mineral prospecting techniques .. .. .. A 365
Ore prospecting method .. T 367
Mineral exploration in Tanganyika .. .. N 390
Britain's search for radioactive minerals .. .. .. N 390
Mining rare metals in Namaqualand .. .. .. A 394
Spend money to find money .. M 400
Mineral exploration in Tanganyika .. .. N 422
Japan's search for minerals .. N 423
Subsurface exploration .. M 518
Colonial Geological Surveys, 1947-1956 .. .. .. N 576

PUMPING AND DRAINAGE
Eliminating dirt in pump suction lines .. .. .. M 223
Pipes for conveying water, liquors and gases .. .. A 270
Relief valves for liquids .. M 275
Further exhibition highlights .. M 310
Colliery methane for a gas board .. .. A 515
New diaphragm value .. .. M 586
Progress of the Neyveli scheme N 645

SCIENTIFIC RESEARCH
Tin—an old metal with a bright future .. .. A 80
More metals of the future .. N 105
Determination of elements .. T 138
Reorganization of the D.S.I.R. N 244
Beating the sun .. .. N 269
Recovery of uranium and thorium .. .. A 424
Separation and concentration of minerals .. .. .. A 428
Theory and practice of flotation A 454
New D.S.I.R. research station N 511
Unusual roof tests .. .. T 615

TAXATION AND TARIFFS
Export tax under fire .. .. FN 58
Review of mining taxation in Canada .. .. A 81
"Economic aid" for Mazapil .. MF 281
O.T.C. tax concessions .. MF 465
London tin tax .. .. .. MF 492
European metal market .. MT 657
Tax reliefs for "West Africans" MF 659
Horns of the U.S. lead-zinc dilemma .. .. .. N 677
Ghana minerals profits tax bill postponed .. .. .. MF 721
Metals in the European Common Market .. .. N 741

TRADE AND STATISTICS
Oh, what a tangled (U.S.) web N 7
Import controls removed .. MT 18
Canadian mining on view .. N 104
All out of step but aluminium? N 129
Role of the St. Lawrence Seaway .. .. N 130
Whither platinum? .. .. N 157
Export opportunites in Canada N 332
Stock Exchange Year Book .. FN 345
Copper strikes back .. .. N 360
We can sell more to Canada .. N 389
Chile as a market for mining equipment .. .. .. A 396
The position of Australian tin.. A 482
Continuous wall chart .. T 525
World coal reserves .. .. N 545
A great export market .. .. N 608
Now it's up to Britain .. N 739
Metals and the European Common Market .. .. N 741

TRANSPORTATION AND HOISTING
Locomotive for Mufulira .. M 17
New quarry dumper .. .. M 52
Self-propelled crane .. .. M 53
Role of the St. Lawrence Sea way .. .. N 130
Handling of taconite pellets .. A 220
Coal resources of the United Kingdom .. .. .. A 222
Breaking the bottlenecks .. N 268
Placing stone in Ghana .. A 304
Export opportunities in Canada N 332
New minerals industry for Natal N 391
Cleaning haulage cars .. .. M 400
Master-hone operations .. M 429
2,000 tons an hour .. .. M 429
Automatic conveyor cut-off .. M 459
Opencut mining for uranium in New Mexico .. .. .. A 485
The Riddle Nickel Deposit, United States .. .. .. A 582
Wanted—more and bigger ore carriers .. .. .. A 684
Priority for Indian manganese mines .. .. N 711
Portable winding at mines .. A 716
Hydraulic drive—the modern transmission .. .. .. A 774
Paper by-product for haulage roads .. .. .. T 778

VENTILATION AND AIR CONDITIONING
Dust problems in open pit and underground mines .. A 306
Tunnel ventilation .. .. R 526
Mining methods at Cam and Motor.. .. .. .. A 580

WELDING
Engineering, Marine, Welding and Nuclear Energy Exhibition .. .. .. A 249
Further exhibition highlights .. M 310
Another record year for B.S.I. N 333
Electrode for mild steel welding T 525
A gas-tight seal .. .. M 586
Welding for nuclear energy .. T 615
Recommendations for the testing of aluminium fusion welds and welders .. .. .. R 696

Companies and other Public Bodies

For Rand and O.F.S. monthly gold mine returns, see MR 25, 176, 318, 436, 590, 692. For quarterly figures, see supplements with our issues of August 2 and November 1. For quarterly tin outputs see MR 232, 492.

A

Abelson & Co. (Engineers) .. M 52
Aerojet-General Nucleonics .. T 138
African & European Investment Co. .. .. .. MF 370, 492, FN 494, MF 525, FN 660,
Afrikander Proprietary Gold Mines .. .. MF 21, 87
Algom Uranium Mines .. FN 405
Allis Chalmers Mfg. Co. T 367, A 650
Alpine (Barberton) Gold Mine FN 782
Aluminium Company of Canada .. .. A 12
Aluminium Development Association .. .. R 696, 784
Aluminium, Ltd. .. .. FN 142, MF 202, 589
Amalgamated Collieries of S. Africa .. .. .. FN 781
Amalgamated Tin Mines of Nigeria .. MF 436, ME 469
American Institute of Mining and Metallurgical Engineers A 582
American Iron and Steel Institute .. .. A 195
American Zinc-Lead & Smelting Co. .. .. .. N 677
American Metal Co. .. .. FN 762
American Mining Congress Metal Mining Convention .. N 301
American Overseas Finance Co. N 332
American Potash & Chemical Corporation .. .. .. N 105
American Smelting & Refining Co. .. .. N 677
American Society for Metals .. N 711
Anaconda Co. .. A 247, 396, 426, 485
Anglo American Corporation of South Africa Sups. Aug. 2 & Nov. 1 MF 203, FN 229, MF 390, N 391, 453, MF 492, 556, OB 651, FN 660, MF 691, FN 781
Anglo American Rhodesian Development Corporation .. N 268
Anglo Australian Mining Pty... MF 228
Anglo-Burma Tin Co. .. FN 229, N 678, MF 780
Anglo-Rouyn Mines .. .. N 360
Anglo Transvaal Consolidated Investment Co. Sups. Aug. 2 & Nov. 1 MF 621, 721, ME 723, FN 726, MF 780
Angus (George) & Co. .. M 198
Aramayo Mines in Bolivia .. N 76
Ariston Gold Mines .. .. A 712
Ashanti Goldfields Corporation MF 87, CN 88, MF 345, 404
Ashanti-Obuasi Reefs .. .. FN 316
Atlas Consolidated Mining & Development Corporation .. FN 48, A 486
Atlas Copco. M 198, A 249, M 585
Austral Amalgamated Tin .. FN 781
Austral Malay Tin .. .. FN 781
Ayer Hitam Tin Dredging Co. MF 780

B

Baker Platinum.. N 129, 157, M 519
Bancroft Mines .. MF 621, 622
Barclay's Bank (D.C. & O.) .. FN 781
Bateman Bay Mining Co. .. FN 21
Battelle Memorial Institute .. T 367
Beatrice Gold Mining .. .. FN 88
Beralt Tin & Wolfram.. .. MF 280, FN 345, 405, ME 559, FN 754
Bethlehem Steel Corporation .. T 54
Bibiani (1927) .. .. MF 87, CN 88
Bisichi Tin Co. .. .. .. ME 23
Blantyre Engineering Co. .. M 616
Blyvooruitzicht Gold Mining Co. .. Sups. Aug. 2 & Nov. 1 ME 592, MF 690
Boliden A/B .. .. .. T 367
Bonville Gold Mines .. .. FN 405
Boulton (William) Ltd. A 136, M 341
Boustead & Co. .. .. A 681
Braden Copper Co. .. A 247, 396
Brakpan Mines Sups. Aug. 2 & Nov. 1 MF 692
Brand (Josef) G.m.b.H. .. M 310
Bray (W.E.) & Co. .. M 626, 747
Bremang Gold Dredging Co. .. ME 143
British Anthracite Co. .. FN 142
British Guiana Consolidated Goldfields .. .. .. ME 88
British Hydromechanics Research Association .. .. N 8
British Insulated Callender's Cables .. .. .. FN 630
British Iron & Steel Federation N 510
British LaBour Pump Co. .. A 250
British Manufacturers of Petroleum Equipment .. .. N 389
British Non-Ferrous Metals Federation .. .. .. N 42
British Overseas Mining Association .. .. .. FN 757
British Oxygen Gases .. .. M 111
British Petroleum Co. .. .. M 747
British Plastics Exhibition M 53, T 84
British Resin Products.. T 84, R 526
British Ropes A 250, M 310, M 652
British South Africa Co. MF 316, FN 590
British Standards Institution .. N 333, M 519, R 696
British Tabulating Machine Co. A 680, 744
British Thompson-Houston M 166, 460, A 614, 716
British Tyre and Rubber Co. R 565, 664
British Wedge Wire Co. .. M 52
Brittania Copper Mine .. FN 781
Broken Hill Proprietary Co. .. N 480, FN 630, N 741
Broken Hill South .. .. MF 371, FN 465, N 740
Brown (David) Corporation A 13, 249, N 301, M 310
Buffelsfontein Gold Mining .. FN 58, MF 404, 659
Bulolo Gold Dredging.. .. FN 726
Burma Corporation (Burma Mines) N 677, FN 754, CN 758
Burn & Co. .. .. N 300, 333

C

Cable (1956) Ltd. .. .. N 159
Cam & Motor Gold Mining Co. A 548, 580, 613, MF 724, ME 726
Can-Erin Mines of Toronto N 8, 545
Canadian Institute of Mining & Metallurgy .. .. N 130
Cape Asbestos .. .. .. N 300
Capper Pass .. .. FN 142, MF 622
Caribbean Cement Co. .. A 714
Caterpillar Tractor Co. A 456, M 585
Cementation Co. FN 494, ME 632
Central Mining & Investment Corporation MF 87, 116, ME 204 Sups. Aug. 2 & Nov. 1, MF 780
Central Mining Free State Areas FN 142, 203, 590
Central Provinces Manganese Co. .. .. A 512
Central South African Lands & Mines .. .. .. FN 781
Central Victoria Dredging Co. FN 229
Centralube Ltd. .. .. M 166
Cerro de Pasco Copper Corporation .. .. .. A 396
Chendai Consolidated .. FN 660
Chenderiang Tin Dredging .. FN 405, ME 661
Chibuluma Mines MF 464, 621, ME 625
City Deep Sups. Aug. 2 & Nov. 1
Climax Molybdenum A 247, 274, FN 726
Climax Rock Drill & Engineering Works FN 142, 345, ME 374, FN 436
Clutha River Gold Dredging .. FN 371, 465, ME 465
Cobar Mines Pty. .. .. N 740
Commonwealth Mining & Metallurgical Congress .. N 104, A 334, 361
Consolidated African Selection Trust .. .. FN 590, MF 621, ME 628, MF 659
Consolidated Denison Uranium Mines .. .. .. A 458
Consolidated Diamond Mines of S. W. Africa .. .. FN 781
Consolidated Goldfields of S. Africa .. .. .. ME 22, FN 142, MF 754, ME 755
Consolidated Main Reef Mines & Estate Sups. Aug. 2 & Nov. 1, ME 594
Consolidated Mining & Smelting Co. .. .. .. A 361
Consolidated Murchison (Transvaal) Goldfields and Development Co. .. .. Sups. Aug. 2 & Nov. 1
Consolidated Pneumatic Tool Co. M 53, A 249, 306, M 685, 747
Consolidated Tin Mines of Burma .. .. .. FN 203
Consolidated Tin Smelters .. N 158, MF 172 ME 176
Consolidated Zinc Corporation MF 20, N 770
Continental Mining & Exploration .. .. .. FN 142
Copper Development Association .. .. A 250
Coronation Syndicate .. .. FN 692
Costain Mining Co. .. .. N 46
Crompton Parkinson .. .. A 549
Crown Mines Sups. Aug. 2 & Nov. 1
Cyprus Asbestos Mines .. A 245
Cyprus Chrome Co. .. .. A 245
Cyprus Sulphur & Copper Co. A 245

D

Daggafontein Mines Sups. Aug. 2 & Nov. 1, MF 692
Dallow, Lambert & Co. .. M 585
Davey, Paxman & Co. .. A 249
De Beers Consolidated Mines.. MF 57, 370, FN 465, MF 491
De Beers Industrial Corporation .. .. FN 781
Dent (H.C.) .. .. .. R 504
Department of Scientific & Industrial Research .. .. R 231, N 244, A 424, N 511
Diamond Alkali Co. .. .. T 615
Dick (A.B.) Co. .. .. M 748
Distrene Ltd. .. .. .. T 84
Dohm Group .. .. P 24, M 310
Dominion Reefs .. .. MF 116, FN 660, ME 660
Doornfontein Mines Sups. Aug. 2 & Nov. 1, MF 691
Dorman Long Co. .. .. N 9
Dunlop Rubber Co. .. .. M 275
Durban Roodepoort Deep .. Sups. Aug. 2 & Nov. 1
Durham Raw Materials .. P 24

E

East Champ d'Or Gold Mining Co. Sups. Aug. 2 & Nov. 1
East Daggafontein Mines .. Sups. Aug. 2 & Nov. 1, MF 692
East Geduld Mines .. .. Sups. Aug. 2 & Nov. 1
E st Rand Consolidated .. ME 88
East Rand Proprietary .. Sups. Aug. 2 & Nov. 1
Eastern Transvaal Consolidated Mines Sups. Aug. 2 & Nov. 1, ME 557
Eldorado Mining & Refining .. A 458
Electrothermal Engineering .. M 53
Ellaton Gold Mining Co. .. Sups. Aug. 2 & Nov. 1
Emerald Isle Mining Corporation .. .. N 8, M 111, N 545
Empresa Minera de Mantos Blancos .. .. .. N 332
Engelhardt Industries .. .. N 157
Engineering, Marine & Welding Exhibition .. .. A 250, M 310
English Electric Co.. A 250, M 310, 551
Erie Mining Co. .. .. A 220
Esperanza Copper & Sulphur.. FN 524
Euclid (Gt. Britain) .. .. M 652
European Coal and Steel Community N 159, A 160, N 609, N 741
Ex Lands Nigeria .. .. ME 23
Exploration Company .. FN 88

F

Failing Supply Ltd. .. .. M 309
Falcon Mines .. .. .. ME 280, FN 382, MF 413, ME 414

Faraday Uranium Mines .. FN 21
Flexible Drives (Gilmans) .. M 166
Flexible Ducting .. .. R 526
Fodens .. .. M 616
Follsain-Wycliffe Foundries .. M 586
Fraser & Chalmers .. M 167, A 197
Freddjes Consolidated Mines.. Sups. Aug. 2 & Nov. 1
Free State Development & Investment Corporation .. ME 372
Free State Geduld Mines .. FN 142, Sups. Aug. 2 & Nov. 1 MF 280, 315, 404, N 453, FN 630
Free State Saaiplaas Gold Mining Co. Sups. Aug. 2 & Nov. 1
Fresnillo Co. .. .. .. MF 57
Fullerton Hodgart & Barclay.. A 614

G

Galkeno Mining .. FN 229, 405
Geduld Proprietary Mines .. Sups. Aug. 2 & Nov. 1
Geevor Tin Mines MF 228, FN 229
Geita Gold Mining Co. MF 280, 754
General Electric Co. .. .. M 167, A 197, MF 491, T 615, M 717
General Mining & Finance Corporation Sups. Aug. 2 & Nov. 1
General Oil Co. .. .. N 301
Gent & Co. .. .. .. M 111
Geophysical Specialities Co. .. M 518
Geomines Company .. .. FN 781
Ghana Main Reef .. .. ..
Giant Yellowknife Gold Mines A 361
Glacier Mining .. FN 88, T 778
Gold & Base Metal Mines of Nigeria .. MF 20, ME 242
Gold Mines of Australia .. FN 229
Gold Mines of Kalgoorlie .. MF 371, ME 373, MF 780
Goodman (Leon) Displays .. M 717
Goodwin Barsby & Co. .. A 549
Copeng Consolidated .. FN 58, 203, MF 371
Government Gold Mining Areas Sups. Aug. 2 & Nov. 1, FN 781
Great Boulder Prop. Gold Mines .. .. .. MF 57
Grootvlei Prop. Mines .. Sups. Aug. 2 & Nov. 1

H

Hadfields, Ltd. .. .. .. M 717
Halkyn District United Mines ME 25
Hanovia Ltd. .. .. .. M 653
Harmony Gold Mining Co. .. Sups. Aug. 2 & Nov. 1 MF 344, ME 592, MF 722,
Harrisons & Crosfields .. ME 591
Hartebeestfontein Gold Mining Co. .. .. A 132, Sups. Aug. 2 & Nov. 1 MF 404, 557, ME 558
Harvey & Co. (G.A.) (London) A 249
Head Wrightson & Co. M 111, 223, 275
Heintz Manufacturing Co. .. T 54
Heidelberg Estates .. .. FN 781
Hellenic Mining Co. .. .. A 245
Hendersons Transvaal Estates ME 143
H.M.S.O. .. .. R 526, N 678
Hochschild .. .. .. N 332
Hollinger Consolidated Gold Mines .. .. ..
Holman Bros. .. .. .. A 250, FN 345, 436, ME 459
Hopkins (John) Press .. .. R 664
Hudswell Clarke & Co. .. A 13
Huelva Copper & Sulphur .. FN 630
Humphreys & Glasgow N 452, A 646
Hunslet Engine Co. .. .. M 17

I

Idris Hydraulic Tin .. .. ME 39
Imperial Chemical Industries .. A 107
Imperial Smelting Corporation A 163, 193
Indian Copper Corporation .. FN 21, 229, MF 371, ME 376
Institution of Mining Engineers .. .. .. N 452
Institution of Mining & Metallurgy .. .. .. A 163, 193
International-Drott .. .. M 487
International Harvester Co. of G.B. .. .. M 487
International Minerals & Chemical Corporation .. .. A 108
International Mineral Dressing Congress .. A 392, 428, 454
International Nickel Co. of Canada T 84, MF 202, N 332, A 458, N 479, OB 526, MF 589, FN 757
International Tin Conference .. N 709
International Tin Research Council .. .. .. N 158
Intertectics Inc. .. .. T 748
Ipoh Tin Dredging .. .. MF 622
Isbell Construction Co. .. A 485

J

Jessop (William) & Sons .. A 486
Johannesburg Consolidated Investment Co. MF 87, Sups. Aug. 2 & Nov. 1, MF 345, FN 590, ME 596
Johnson, Matthey & Co. N 129, 157, M 223, A 714
Jos Tin Area (Nigeria) .. FN 660
Joy-Sullivan .. .. .. M 401

K

Kaduna Prospectors .. .. ME 59
Kaduna Syndicate .. .. ME 59
Kalgoorlie Southern Gold Mines .. .. .. ME 372
Kampong Kamunting Tin Dredging .. .. .. FN 781
Kampong Lanjut Tin Dredging FN 229
Kamunting Tin Dredging .. MF 523, FN 660, MF 722, ME 725
Kansanshi Copper Mining Co. MF 253, 556, 659, 753
Kay Tin Mines FN 142, ME 203
Kelvin Hughes .. .. .. M 586
Kennecott Copper Corporation A 396
Kentan Gold Areas MF 754, ME 782
Kent (F.M.S.) Tin Dredging .. MF 173, ME 230
Kepong Dredging Co. FN 623, 660
Kilembe Mines .. .. A 484
Kinta Kellas Tin Dredging .. FN 405, ME 466
Kinta Tin Mines MF 118, ME 143
Klerksdorp Consolidated Goldfields .. FN 229, 590, MF 722
Knapp & Bates.. .. M 275, 401
Kolar Gold Fields .. .. FN 692
Kramat Pulai .. .. .. FN 494
Kramat Tin Dredging .. .. FN 229
Kuala Kampar Tin Fields .. FN 229

L

Labgear Ltd. .. .. .. M 747
Lake George Mining Corporation ME 228, FN 623, MF 691
Lake View & Star .. .. FN 630, MF 780, FN 782
Lampa Mining Co. .. .. MF 754, ME 756, FN 754
Lead Industries Association T 138, 778
Lepanto Consolidated Mining Co. .. .. A 486
Libanon Gold Sups. Aug. 2 & Nov. 1, MF 691
Lima Corporation .. .. A 46
Lincoln Electrical Co. .. .. A 250
Lindsay Parkinson (Sir) & Co. FN 371, ME 374
Liquid Systems Ltd. .. .. M 223
Lobitos Oilfields .. .. FN 758
Lodge-Cottrell .. .. .. A 714
London & African Mining Trust MF 722, ME 724
London Australian & General Exploration Co. .. .. FN 203
London & Rhodesian Mining & Land Co. .. .. .. MF 141, FN 203, 345, 590, ME 696
London Tin Corporation .. MF 492
Loraine Gold Mine .. .. .. Sups. Aug. 2 & Nov. 1
Luipaards Vlei Estate & Gold Mining Co. Sups. Aug. 2 & Nov. 1, MF 280
Luossavaara-Kiiruavaara A/B A 514
Lydenburg Estates .. .. FN 726
Lydenburg Gold Farms. .. FN 590

M

Mackay Industrial Equipment T 54, A 249, M 653
Magnesite Syndicate .. .. N 333
Magundi Copper Mines & Minerals Co. .. .. FN 780
Malayan Tin Dredging .. FN 590, MF 690, ME 756
Malaysiam Tin .. .. FN 346, 660
Marshall, Sons & Co. .. .. M 518
Marievale Consolidated Mines Sups. Aug. 2 & Nov. 1
Mary Kathleen Uranium A 362, N 643
Massberyl Lithium Co. .. FN 405
Mawchi Mines .. .. N 678, FN 724
Maximilianshuette, A.G. .. A 132
Mazapil Copper Co. MF 281, FN 405
Megator Pumps & Compressors .. .. .. M 275
Merriespruit (O.F.S.) Gold Mining Co. Sups. Aug. 2 & Nov. 1
Merton Engineering Co. .. M 653
Meru Tin .. .. FN 660, 754
Mesabi Iron Co. .. .. A 220
Messina (Transvaal) Development Co. .. .. MF 556, 772
Metallgesellschaft A.G. .. N 741
Metropolitan Vickers Co. .. A 46, 250, M 310
Miami Copper Co. .. .. FN 692
Middle Witwatersrand (Western Areas) Sups. Aug. 2 & Nov. 1
Mines Exploration Pty. .. N 740
Mining Corporation of Canada FN 229
Mining World .. .. .. R 671
Mitsui Metal Mining Co. .. A 218
Modderfontein B Gold Mines FN 229
Modderfontein East .. Sup. Aug. 2, FN 724
Mogul Mining Co. .. .. N 8
Molybdenite Corporation of Canada .. .. .. A 247
Monazite & Mineral Ventures A 394
Mond Nickel Co. .. .. A 251
Monsanto Chemical Co. .. MF 492
Morning Star (G.M.A.) Mines FN 229, 781
Mount Isa Mines FN 58, MF 228, A 362, N 452, MF 556, 722, ME 725
Mount Lyell Mining & Railway Co. FN 345, A 362, N 452, MF 659
Mount Morgan.. .. .. FN 229, A 362, N 452, FN 494, N 740
Mufulira Copper Mines .. M 17, MF 21, N 332, MF 464, 621, ME 624
Murex Ltd. .. .. A 250, T 615

N

Naraguta Extended Areas .. FN 21
Naraguta Karama .. .. FN 142
Naraguta Tin Mines .. .. FN 142
National Bank of India .. FN 757
National Coal Board A 222, N 391, M 459, A 515, M 518, A 614, 646, M 717
National Distillers Products Corporation .. .. N 105
National Mining Corporation.. MF 622, ME 628
Nchanga Consolidated Copper Mines MF 57, FN 58, MF 172, ME 173, MF 621, 721
Neville (G.E.) & Sons .. M 616
New Broken Hill Consolidated FN 623
New Central Witwatersrand Areas .. .. MF 556
New Consolidated Gold Fields of South Africa Sups. Aug. 2 & Nov. 1, MF 622
New Guinea Goldfields FN 229, 781
New Jersey Zinc Co. .. .. A 622
New Kleinfontein Co. .. FN 21, 781
New Klerksdorp Gold Estates Sups. Aug. 2 & Nov. 1
New Manitoba Mining & Smelting .. .. .. FN 494
New Modderfontein Gold Mining Co. .. .. FN 630, 754
New Monteleo .. .. .. FN 781
New Pioneer Central Mining.. MF 721
New Rhodesian Investments .. FN 590
New State Areas .. .. FN 524
Newton Chambes & Co. .. A 46
New Union Goldfields .. FN 630, MR 690, ME 695
Nicol and Andrew Ltd. .. M 429
Nippon Light Metal Co. .. A 218
Noranda Mines .. N 331, 360
North British Rubber Co. .. A 176
North Broken Hill .. FN 30, N 740
North Charterland Exploration Co. .. .. .. FN 58, 726
North Kalgurli (1912) FN 560, ME 757
North Kalgurli United .. MF 754
North Rankin Nickel Mines .. MF 228
Northern Aluminium Co. .. M 616
Nuclear Power Plant Co. .. A 302

O

Odham's Press .. .. .. R 618
Optima .. .. M 400
Oriental Mining Co. .. .. A 681
Orinoco Mining Co. .. N 43, A 425

P

Pahang Consolidated .. .. FN 623, MF 754, ME 758
Paringa Mining & Exploration FN 142
Parrex Syndicate .. .. N 360
Parsons (C.A.) & Co. .. .. A 302
Pascall Engineering Co. .. M 685
Patino Mines & Enterprises .. N 76
Pegson Ltd. .. M 111, 310, A 337
Peko Mines .. .. .. N 452
Pena Copper Mines .. FN 524, 590
Pengkalen Ltd. .. FN 58, 203, MF 371
Perak River Hydro Electric Power Co. .. .. .. ME 629
Perkins (F) Ltd. .. .. P 24
Permutit Co. .. .. .. N 453
Phoenix Prince .. .. .. FN 58
Pidgeon Molybdenum Mines .. FN 660
Plowright Bros... .. M 518, 551
Potgietersrust Platinums .. ME 756, FN 782
Powell Duffryn .. FN 371, ME 376
Powers-Samas Organization .. A 680, 712, 744
Premier (Transvaal) Diamond Mining Co. .. .. .. M 400
President Brand Co. Sups. Aug. 2 & Nov. 1, MF 315
President Steyn Sups. Aug. 2 & Nov. 1, MF 315, A 648
Pronto Uranium Mines .. MF 280
Ptolemais Lignite Mining & Industrial Co. .. .. .. N 192
Pulau Besar Tin Mines .. A 681
Pyrene Co. .. .. .. M 429

Q

Quasi-Arc .. .. T 525, 748
Quebec Cobalt .. .. .. N 781

R

Radiac Company Inc. .. .. M 341
Rahman Hydraulic Tin .. FN 692
Rambutan .. .. .. MF 371
Rand American Investments (Pty.) .. .. MF 202
Randfontein Estates Gold Mining Co Sups. Aug. 2 & Nov. 1
Rand Leases Vogelstruisfontein) Sups. Aug. 2 & Nov. 1, ME 593
Rand Mines .. .. MF 21, ME 22
Rand Selection Corporation .. FN 692
Ransomes & Rapier .. .. A 108
Rapid Magnetic Machine Co. M 198
Rayrock Mines .. .. FN 58
Renong Tin Dredging Co. .. ME 562
Revol Ltd. .. .. .. T 367
Rheinische Werkzeug und Metallwahrefabrik G.m.b.H. M 198
Rhodesian Anglo American .. MF 523, 621, ME 626
Rhodesian Broken Hill Development .. .. MF 721
Rhodesia Katanga .. .. MF 753
Rhodesia Monteleo Asbestos .. FN 692
Rhodesian Selection Trust .. N 41, MF 281, 315, N 332, 451, MF 464, 621, ME 624, N 770, FN 781
Rhokana Corporation .. MF 523, 621, ME 626
Riebeeck Gold Mining Co. .. Sups. Aug. 2 & Nov. 1, ME 593
Rietfontein Consolidated .. Sups. Aug. 2 & Nov. 1
Ribon Valley .. FN 229, MF 280
Rio Canadian Exploration FN 58, 660
Rio Tinto .. .. .. FN 58, MF 435, 465, FN 692
Ritson (Prof. J. A. S.) .. OB 494
Roan Antelope Copper Mines MF 464, 621, ME 624
Robinson Deep Sups. Aug. 2 & Nov. 1
Rooiberg Minerals Development Co. .. .. .. FN 590
Rose Deep Sups. Aug. 2 & Nov. 1
Roulunds Fabriker .. .. M 198
Royal School of Mines .. .. A 658
Rubber Improvement .. .. M 400
Ruston Bucyrus .. M 616, 685
Ruston & Hornsby .. .. A 249
Rustenburg Platinum Mines .. N 129, 157, MF 753

S

Salem Magnesite Syndicate .. N 300
San Francisco Mines of Mexico MF 493
Seismic Instruments .. .. M 653
Shell Oil Co. .. .. .. A 302, T 525
Siamese Tin Syndicate ME 23, MF 589
Siebe Gorman & Co. .. .. A 249
Sigmund Pumps .. A 249, M 310
Silvermines Lead & Zinc Co... FN 316
Simmer & Jack Sups. Aug. 2 & Nov. 1
Skinner (Thomas) & Co. .. FN 345
Small & Parkes.. .. .. M 748
South African Coal Estates (Witbank) .. MF 557, ME 560
South African Land and Exploration Co. Sups. Aug. 2 & Nov. 1, MF 692
South African Torbanite .. FN 623, ME 661
South African Townships Mining & Finance Corpn. .. FN 692
South Bukeru .. .. N 58, FN 88
South Crofty .. .. .. FN 623
Southern Kinta Consolidated .. MF 435, 524
Southern Malayan Tin Dredging MF 493, FN 590, A 682, MF 690, ME 756
South Roodepoort .. .. .. Sups. Aug. 2 & Nov. 1, ME 696
Southern Tronoh Tin Dredging FN 639
South Wales Institute of Engineers .. .. .. N 480
South Western Stone Co. .. M 685
South Witbank Coal Mines .. FN 524
Spaarwater Gold Mining Co. .. Sups. Aug. 2 & Nov. 1
Springs Mines .. .. Sups. Aug. 2 & Nov. 1, MF 692
Standard Bank of South Africa ME 143
Stauffer Chemical Co. .. .. A 48
Steel Company of Wales M 429, A 714
Steel Engineering Products .. M 586
Steep Rock Iron Mines .. .. A 162
Stewarts & Lloyds .. A 250, N 510
Stilfontein Gold Mining Co. .. Sups. Aug. 2 & Nov. 1 MF 280, MF 404
St. Helena Gold Mines .. .. Sups. Aug. 2 & Nov. 1, Mr 345, 622
St. Joseph Lead Co. .. N 268, 677
St. Patrick's Copper Mines .. N 8
Studer Mines .. .. .. N 360
Studio Irwin Technical .. M 401
Sub Nigel Sups. Aug. 2 & Nov. 1
Sullivan Mining Co. .. .. N 331
Summers (John) & Sons .. A 486
Sungei Besi Mines .. .. FN 623
Sungei Kinta Tin Dredging .. FN 58
Sungei Way Dredging FN 630, 660, 781

T

Taiwan Aluminium .. .. A 308
Tanganyika Concessions .. MR 494, MF 753
Tanjong Tin Dredging MF 116, ME 143
Taquah & Abosso .. .. FN 781
Tata Iron & Steel Co. .. A 197, N 711
Tavoy Tin Dredging .. FN 660, N 678
Tecalemit .. .. .. M 17, 652
Tekka Ltd. .. .. FN 405, ME 526

Tekka Taiping .. .. .. A 682
Temoh Tin Dredging FN 623, 724, 781
Thew Shovel Co. .. M 53, 459
Tin Fields of Nigeria .. .. FN 524
Tin Research Institute A 80, T 778
Tongkah Harbour Tin Dredging FN 660
Transvaal & Delagoa Bay .. FN 692
Transvaal Gold Mining Estates Sups. Aug. 2 & Nov. 1
Trepca Mines .. .. .. FN 229
Triefus & Co. .. .. .. ME 23
Tronoh Mines .. .. .. ME 90
Tulloch Construction Co. .. M 167
Tweefontein Colliery .. .. FN 58

U

Ulu Klang .. .. .. FN 405
Umgababa Minerals .. .. N 391
Union Corporation .. .. Sups. Aug. 2 & Nov. 1
Union Miniere du Haut Katanga .. .. MF 203
Union Platinum Mining Co. .. ME 756, FN 782
United Nations .. .. .. R 565
U.S. Bureau of Mines A 13, T 84, 138, 367, 525, 615, A 682, R 696, T 778
U.S. Steel Co. .. .. A 195, N 511
U.S. Steel Corporation A 9, N 43
United Steel Companies .. A 108
United Tin Areas of Nigeria .. MF 280
Uranium Mines N.L. .. .. N 644
Universal Metal Products .. T 84
Utah Construction Co. .. A 108

V

Vaal Reefs Exploration & Mining Co. Sups. Aug. 2 & Nov. 1, MF 692
Van Dyk Consolidated Mines Sups. Aug. 2 & Nov. 1
Van Ryn Gold Mines .. .. FN 781
Venterspost Gold Mining .. Sups. Aug. 2 & Nov. 1, MF 690
Vereinigte Aluminium Werke .. FN 229
Victor Products (Wallsend) .. M 167
Village Main Reef Gold Mining Co. .. Sups. Aug. 2 & Nov. 1
Virginia O.F.S. Gold Mining Co. .. Sups. Aug. 2 & Nov. 1
Vlakfontein Gold Mining Co. .. Sups. Aug. 2 & Nov. 1
Vogelstrusbult Gold Mining Areas .. Sups. Aug. 2 & Nov. 1
Voith-North British Hydraulic Transmission .. .. A 774

W

Walker Bros. (Wigan) .. .. A 716
Wall Street Journal .. .. N 105
Wankie Colliery MF 465, 622, ME 627
Warren Morrison .. .. M 586
Waterval Rustenburg Platinum ME 756, FN 782
Waverley Gold Mines .. .. FN 560
Welgedacht Exploration .. FN 21
Welkom Gold Mining Co. .. Sups. Aug. 2 & Nov. 1, MF 280, 315
Westcoast Transmission Co. .. N 544
Western Deep Levels .. .. A 106, MF 115, 690
West Driefontein Sups. Aug. 2 & Nov. 1, MF 690
Western Holdings Sups. Aug. 2 & Nov. 1, MF 315
Western Mining Corporation .. FN 142, MF 371, ME 373
Western Reefs Exploration & Development Sups. Aug. 2 & Nov. 1, MF 692
Western Rift Exploration .. N 422
Western Selection & Development Co. .. .. ME 24
Western Titanium .. .. N 159
Westinghouse Electric Corporation .. .. T 748
Westminster Bank .. .. FN 58
Westralian Oil Co. .. .. N 159
West Rand Consolidated .. Sups. Aug. 2 & Nov. 1, A 648
West Rand Investment Trust .. FN 229
West Witwatersrand Areas .. Sups. Aug. 2 & Nov. 1, MF 589, 690
Wigglesworth (Frank) & Co. .. M 551
Williamsons Diamonds .. N 577
Winget, Ltd. .. .. .. M 585
Winkelhaak Mines .. .. Sups. Aug. 2 & Nov. 1
Witbank Colliery .. .. CN 806
Witwatersrand Gold ("Knights") Mine .. .. FN 524
Witwatersrand Nigel .. .. Sups. Aug. 2 & Nov. 1, ME 559
Wood (Hugh) & Co. .. .. N 391
Wood (J) & Sons .. .. A 716

Y

Yukon Consolidated Gold Corporation FN 58, A 361, FN 524

Z

Zambesia Exploring Co. .. ME 59
Zeehan Mines Pty. .. .. N 740
Zinc Corporation .. .. A 362

The Mining Journal

—brings the World's Mining NEWS to the World's Mining MEN

The prospecting of new areas and the development of new mines has a vital bearing on the amount of metal coming on to the world markets, and in consequence directly influences mining share values. Again, news about research into new uses for metals and about the development of substitutes is vital alike to the miner and the investor. Equally important to both is news of improved mining methods or new machinery developed in the continuous search for higher productivity, which is the key to maximum utilization of capital and labour, and (in these days of low-grade mining) to the lowering of pay limits.

It is information on matters such as these which The Mining Journal gives each week, in addition to its comprehensive news service covering the progress of individual mines all over the world.

Each week The Mining Journal reports on :—

- **world economic and political trends in relation to mining**
- **developments in mining practice and equipment**
- **mining statistics of the principal countries and companies**
- **market prospects for the metals and minerals**
- **movements in the mining share markets**

During last year The Mining Journal covered :—

- **over 70 metals and minerals**
- **events and statistics in 75 countries**
- **the activities of some 500 mining companies**

The Mining Journal is read in 80 countries

Subscription Rate £3 . 0 . 0 (post free anywhere)

(Second Class Air Mail Rates on Application)

Subscription orders to The Mining Journal, 15 Wilson Street, Moorgate, London, E.C.2

Phone: MONarch 2567

CLASS
ACCESS S68(154) MG
CAT. ENTRIES APPR.
AUTH.
SUBJ.
GEOG.
TITLE S.L MG
INDEX
LETT.
INIT.
Bnd.
11 APR 1960

MACHINERY & EQUIPMENT DIRECTORY

Buyers will find the addresses of the companies listed below in the advertisement pages of our recent issues. Alternatively, enquiries may be addressed to *The Mining Journal*, 15 Wilson Street, London, E.C.2. Phone: MONarch 2567.

AGITATORS
Denver Equipment Co. Ltd.

AIRMETERS & ANEMOMETERS
Short & Mason

BALL MILLS
Fraser & Chalmers Eng'g Wks.
Pegson Ltd.

BALL MILL LINERS
Hadfields Ltd.

BALLS FOR MILLS
Brindley (F. J.) & Sons (Sheffield) Ltd.

BEARINGS
British Timken Ltd.

BELTING — RUBBER & FIRE RESISTANT
Moseley (David) & Sons Ltd.
North British Rubber Co. Ltd.
Rubber Improvement Ltd.

BOILERS
Davey Paxman & Co. Ltd.

BOREHOLE & DRILLING CONTRACTORS
Conrad Stork Hijsch. N.V.
Craelius Co. Ltd.
Thom (John) Ltd.

BRAKE & CLUTCH LININGS
Small & Parkes Ltd.

CABLES
Siemens Edison Swan Ltd.

CALCINING PLANT
Fraser & Chalmers Eng'g Wks.

CASTINGS
Hadfields Ltd.

CEMENTATION
Cementation Co. Ltd.

CHEMICALS
I.C.I. (Gen. Chem Div.)

CLASSIFIERS
Denver Equipment Co. Ltd.
Head, Wrightson & Co. Ltd.

CLUTCHES — FRICTION
Wigglesworth (F.) & Co. Ltd.
Small & Parkes Ltd.

COAL BREAKERS
Hadfields Ltd.

COAL CUTTERS
Joy-Sullivan Ltd.

COAL PREPARATION PLANT
Birtley Engineering Ltd.
Fraser & Chalmers Eng'g Wks.
Head Wrightson & Co. Ltd.
Pegson Ltd.

COMPRESSORS — AIR
Atlas Copco AB.
Consolidated Pneumatic Tool Co. Ltd.
Holman Bros. Ltd.
Howden (James) & Co. Ltd.
Mackay Industrial Equipment Ltd.
Ward (Thos. W.) Ltd.

CONCENTRATING TABLES
Davies Magnet Works Ltd.
Fraser & Chalmers Eng'g Wks.
Knapp & Bates Ltd.

CONCRETE MIXERS
Ransomes & Rapier Ltd.

CONVEYORS
Birtley Engineering Ltd.
Cable Belt Ltd.
Head Wrightson & Co. Ltd.
Pegson Ltd.
Wood (Hugh) & Co. Ltd.

CRANES
Ward (Thos. W.) Ltd.

CRAWLER TRACTORS
Mackay Industrial Equipment Ltd.

CRUSHERS — JAW
Baxter (W. H.) Ltd.
Fraser & Chalmers Eng'g Wks.
Hadfields Ltd.
Pegson Ltd.
Sheepbridge Eng'g Ltd.

CRUSHERS — GYRATORY
Hadfields Ltd.
Nordberg M'f'g. Co.
Pegson Ltd.
Sheepbridge Eng'g Ltd.

CYANIDE PLANTS
Denver Equipment Co. Ltd.
Fraser & Chalmers Eng'g Wks.
Knapp & Bates Ltd.

DETONATOR BOXES
Godfrey Holmes (Plastics) Ltd.

DIAMONDS — INDUSTRIAL
Smit (J. K.) & Sons Ltd.
Van Moppes (L. M.) & Sons Ltd.

DRAGLINE BUCKETS
Bucyrus-Erie Co.
Hadfields Ltd.
Ruston-Bucyrus Ltd.

DREDGE BUCKETS
Hadfields Ltd.

DRILL BITS — DETACHABLE
Atlas Copco AB.
Consolidated Pneumatic Tool Co. Ltd.
Holman Bros. Ltd.
Rip Bits Ltd.

DRILL BITS — DIAMOND
Craelius Co. Ltd.
Smit (J. K.) & Sons Ltd.
Van Moppes (L. M.) & Sons Ltd.

DRILL RIGS
Conrad Stork Hijsch. N.V.
Joy-Sullivan Ltd.
Ruston Bucyrus Ltd.

DRILL RODS
Atlas Copco AB.
Holman Bros. Ltd.
Rip Bits Ltd.
Wood (Hugh) & Co. Ltd.

DRILL SHARPENERS
Atlas Copco AB.
Holman Bros. Ltd.

DRILL STEEL
Atlas Copco AB.
Brindley (F. J.) & Sons (Sheffield) Ltd.
Hadfields Ltd.

DRILLS — DIAMOND & CORE
Craelius Co. Ltd.
Joy-Sullivan Ltd.
Smit (J. K.) & Sons Ltd.

DRILLS — PROSPECTING
Conrad Stork Hijsch. N.V.
Ruston Bucyrus Ltd.

DRILLS — ROCK
Atlas Copco AB.
Consolidated Pneumatic Tool Co. Ltd.
Holman Bros. Ltd.
Ruston-Bucyrus Ltd.
Wood (Hugh) & Co. Ltd.

EARTH MOVING EQUIPMENT
Blackwood Hodge (J.) & Co. Ltd.
Premier Plant & Hire Co. Ltd.
Ward (Thos. W.) Ltd.

ELECTRIC MOTOR & CONTROL GEAR
Allen West & Co. Ltd.
British Thomson-Houston Co. Ltd.
General Electric Co. Ltd.

ELECTRICAL SWITCHGEAR
Allen West & Co. Ltd.
British Thomson-Houston Co. Ltd.
General Electric Co. Ltd.
Wood (Hugh) & Co. Ltd.

ELECTRICAL PRECIPITATION
Lodge Cottrell Ltd.

EXCAVATORS
Blackwood Hodge (J.) & Co. Ltd.
Bucyrus-Erie Ltd.
Premier Plant and Hire Co. Ltd.
Ransomes & Rapier Ltd.
Ruston Bucyrus Co.

EXPLOSIVES — BLASTING
I.C.I. (Nobel Division)

FILTERS
Denver Equipment Co. Ltd.

FIRE EXTINGUISHERS
Pyrene Co. Ltd.

FLEXIBLE JOINTS
The Unicone Co. Ltd.

FLOTATION EQUIPMENT
Boulton (Wm.) Ltd.
Denver Equipment Co. Ltd.
Fraser & Chalmers Eng'g Wks.
Huntington, Heberlein & Co. Ltd.
Knapp & Bates Ltd.

FLOTATION REAGENTS
I.C.I. (Gen. Chem. Div.)
National Chemical Products Ltd.

FOUNDATIONS
Cementation Co. Ltd.

FURNACES
Huntington-Heberlein & Co. Ltd.

GEOPHYSICAL INSTRUMENTS
Hilger & Watts Ltd.

GEOPHYSICAL & GEOLOGICAL SURVEYS
Craelius Co. Ltd.
Thom (John) Ltd.

GRINDING PANS
Fraser & Chalmers Eng'g Wks.
Holman Bros. Ltd.

HANDLING PLANT
Birtley Engineering Ltd.
Head Wrightson & Co. Ltd.
Pegson Ltd.

HAULAGE GEAR
Austin Hopkinson & Co. Ltd.
Holman Bros. Ltd.

HELMETS
Panorama Equipment Ltd.
Siebe Gorman & Co. Ltd.

HOISTS
Atlas Copco AB.
Austin Hopkinson & Co. Ltd.
Fraser & Chalmers Eng'g Wks.
Holman Bros. Ltd.

HOSE — RUBBER
Moseley (David) & Sons Ltd.
North British Rubber Co. Ltd

LIGHTING EQUIPMENT
A.E.I. Lamps & Lighting Ltd.
General Electric Co. Ltd.

LOADERS—ROTARY DISC
Salzgitter Maschinen Akt.

LOCOMOTIVES — DIESEL
Hudson (Robert) Ltd.
Hudswell, Clarke & Co. Ltd.
Ruston & Hornsby Ltd.
Wood (Hugh) & Co. Ltd.

LOCOMOTIVES — ELECTRIC
Greenwood & Batley Ltd.
Wingrove & Rogers Ltd.

MAGNETIC SEPARATORS
Davies Magnetic Works Ltd.
Huntington, Heberlein & Co. Ltd.
Rapid Magnetic Machines Ltd.

MAGNETS-ELECTRO LIFTING
Rapid Magnetic Machines Ltd.

METAL DETECTOR
Cinema-Television Ltd.
Metal Detection Ltd.

MINE CARS
Hudson (Robert) Ltd.

MINE CAR — WHEELS & AXLES
Hadfields Ltd.

PICKS — PNEUMATIC
Atlas Copco AB.
Holman Bros. Ltd.
Wood (Hugh) & Co. Ltd.

PLANT — HIRE
Ward (Thos. W.) Ltd.

PUMPING EQUIPMENT
British LaBour Pump Co. Ltd.
Comet Pump & Eng'g Co. Ltd.
Fraser & Chalmers Eng'g Wks.
Pegson Ltd.
Ward (Thos. W.) Ltd.

PUMPS — CENTRIFUGAL
British LaBour Pump Co. Ltd.
Comet Pump & Eng'g Co. Ltd.
Fraser & Chalmers Eng'g Wks.
Pegson Ltd.
Ward (Thos. W.) Ltd.

PUMPS — SAND
Denver Equipment Co. Ltd.
Fraser & Chalmers Eng'g Wks.

PUMPS — SINKING
Thom (John) Ltd.

RAILWAY PLANT & EQUIPMENT
Hudson (Robert) Ltd.
Ward (Thos. W.) Ltd.

RESPIRATORS
Siebe Gorman & Co. Ltd.

ROOF BOLTING EQUIPMENT
Holman Bros., Ltd.

ROOF SUPPORTS
Dowty Mining Equipment Ltd.

ROTARY VACUUM FILTERS
Davey Paxman & Co. Ltd.

RUBBER PRODUCTS
Moseley (David) & Sons Ltd.
North British Rubber Co. Ltd.
Rubber Improvement Ltd.

SAFETY EQUIPMENT
Panorama Equipment Ltd.
Siebe Gorman & Co. Ltd.

SCRAPER HAULAGE
Austin Hopkinson & Co. Ltd.
Holman Bros. Ltd.
Wood (Hugh) & Co. Ltd.

SCRAPER LOADERS
Atlas Copco AB.
Joy-Sullivan Ltd.

SCREENING PLANT
Davies Magnet Wks. Ltd.
Fraser & Chalmers Eng'g Wks.
Harvey (G. A.) & Co. (London) Ltd.
Pegson Ltd.

SHAFT SINKING
Cementation Co. Ltd.

SHOVEL LOADERS
Atlas Copco AB.
Joy-Sullivan Ltd.
Salzgitter Maschinen Akt.

SURVEYING INSTRUMENTS
Hilger & Watts Ltd.

TEST SIEVE VIBRATOR
The Pascall Eng'g Co. Ltd.

THICKENERS
Denver Equipment Co. Ltd.

TIMBER PRESERVATIVES
Hickson's Timber Impregnation Co (G.B.) Ltd.

TRANSFORMERS
British Thomson-Houston Co. Ltd.
General Electric Co. Ltd.

TUBE MILL LINERS
Hadfields Ltd.

VEE-ROPE DRIVES
Wigglesworth (F.) & Co. Ltd.

VENTILATION FANS
Howden (James) & Co. Ltd.

VENTILATION HOSE
Flexible Ducting Ltd.
Rubber Improvement Ltd.

WATER SUPPLY EQUIPMENT
Thom (John) Ltd.

WELDING
Cementation Co. Ltd.

WIRE ROPE & ACCESSORIES
British Ropes Ltd.

WINDING EQUIPMENT — ELECTRIC
British Thomson-Houston Co. Ltd.
General Electric Co. Ltd.

Published by The Mining Journal Ltd., 15 Wilson Street, Moorgate, London, E.C.2, and printed by Washburn & Sons Ltd., Queens Road, Southend-on-Sea, Essex.

1958

quiries

td.
td.
ks.

ks.

IENT

T

td.

S

d.
td.

.

/ks.
ion) Ltd.

S

on Co

Co. Ltd.

.

.

NT

ES

LECTRIC
o. Ltd.

oad,